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Summer School / University of Maryland 1971

The University of Maryland has been elected to membership in the Association of American Universities. This Association, founded in 1900, is an organization of those universities n the United States and Canada generally considered to be pre-eminent in the fields of graduate and professional study and research.

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The University of Maryland is a member of the Association of University Summer Sessions.

•

The University of Maryland in all its branches and divisions subscribes to a policy of equal educational and employment opportunity for all persons regardless of race, creed, ethnic origin or sex.

The provisions of this publication are not to be regarded as an irrevocable contract between the student and the University of Maryland. Changes are effected from time to time in the general regulations and in the academic requirements. There are established procedures for making changes, procedures which protect the institution's integrity and the individual student's interests and welfare. A curriculum or graduation requirement, when altered, is not made retroactive unless the alteration is to the student's advantage and can be accommodated within the span of years normally required for graduation. When the actions of a student are judged by competent authority, using established procedure, to be detrimental to the interests of the University community, that person may be required to withdraw from the University.

POJ 666,1070

SUMMER SCHOOL

UNIVERSITY OF MARYLAND

1971

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CONTENTS

GENERAL

Campus Map 4
University Calendar 6
Registration Schedule 7
The Summer School 9

Admission and Registration Procedures 10
- Terms of Admission 10
- College Park Campus Regular and Special Student Admission 10
- UMBC and University College—Baltimore Students 10
- Students from other Colleges and Universities 10
- New Freshmen Students 10
- High School Record and Class Standing 10
- Predictive Index 11
- Other Requirements for Admission 11
- New Transfer Students 11
- New Special Students 11
- Application Procedures for Undergraduate and Special Students 12
- New Graduate Students 12
- Registration Procedures 12

Academic Information 12
- Academic Credit 12
- Marking System 13
- Maximum Load 13
- Undergraduate 13
- Graduate 13
- Summer Graduate Work 13
- Candidates for Degrees 14
- General Education Program 14
- Advanced Placement Program .. 14

General Information 14
- Class Periods 15
- Weekly Class Schedule 15
- Residency Policy of the University of Maryland 15
- Tuition and Fees 15
- Withdrawal and Refund of Fees 17
- Living Accommodations and Food Service 17
- Student Health 18
- Automobile Registration 18
- Libraries 19
- University Bookstore 19
- For Additional Information 19

Special Summer Activities 20
- Summer Lecture Series 20
- 1971 Summer Festival 20
- Summer Recreation Program ... 20
- Institutes and Workshops 21

COURSE OFFERINGS

Agriculture 29
- Agricultural Economics 29
- Agricultural Engineering 29
- Agronomy 30
- Animal Science 30
- Botany 31
- Entomology 32
- Food Science 32
- Geology 33
- Horticulture 33
- Rural Education 33

Arts and Sciences 35
- American Studies 35
- Anthropoloy 35
- Art 37
- Astronomy 38
- Biology 39
- Chemistry 39
- Chinese 40
- Comparative Literature 40
- Computer Science 41
- Dance 42

Dramatic Art 42
English 42
French 45
German 46
History 47
Italian 49
Latin 49
Mathematics 49
Meteorology 52
Microbiology 53
Music 53
Philosophy 67
Physics 68
Psychology 69
Radio and Television 72
Russian 72
Sociology 73
Spanish 74
Speech 73
Statistics and Probability 77
Zoology 77

Business and Public Administration 79
Business Administration 79
Economics 82
Geography 84
Government and Politics 85
Information Systems Management 87
Journalism 87

Education 89
Education Administration, Supervision and Curriculum .. 89
Education Counseling and Personnel Services 90
Education, Early Childhood—Elementary 92
Education, Human Development. 94
Education, Industrial 96
Education, Measurement and Statistics 99
Education, Secondary 100
Education, Special 103
Education 103
Music Education 106

Engineering 107
Engineering, Aerospace 107
Engineering, Chemical 107
Engineering, Civil 108
Engineering, Electrical 109
Engineering, Materials 110
Engineering, Mechanical 110
Engineering, Nuclear 111
Engineering Science 111

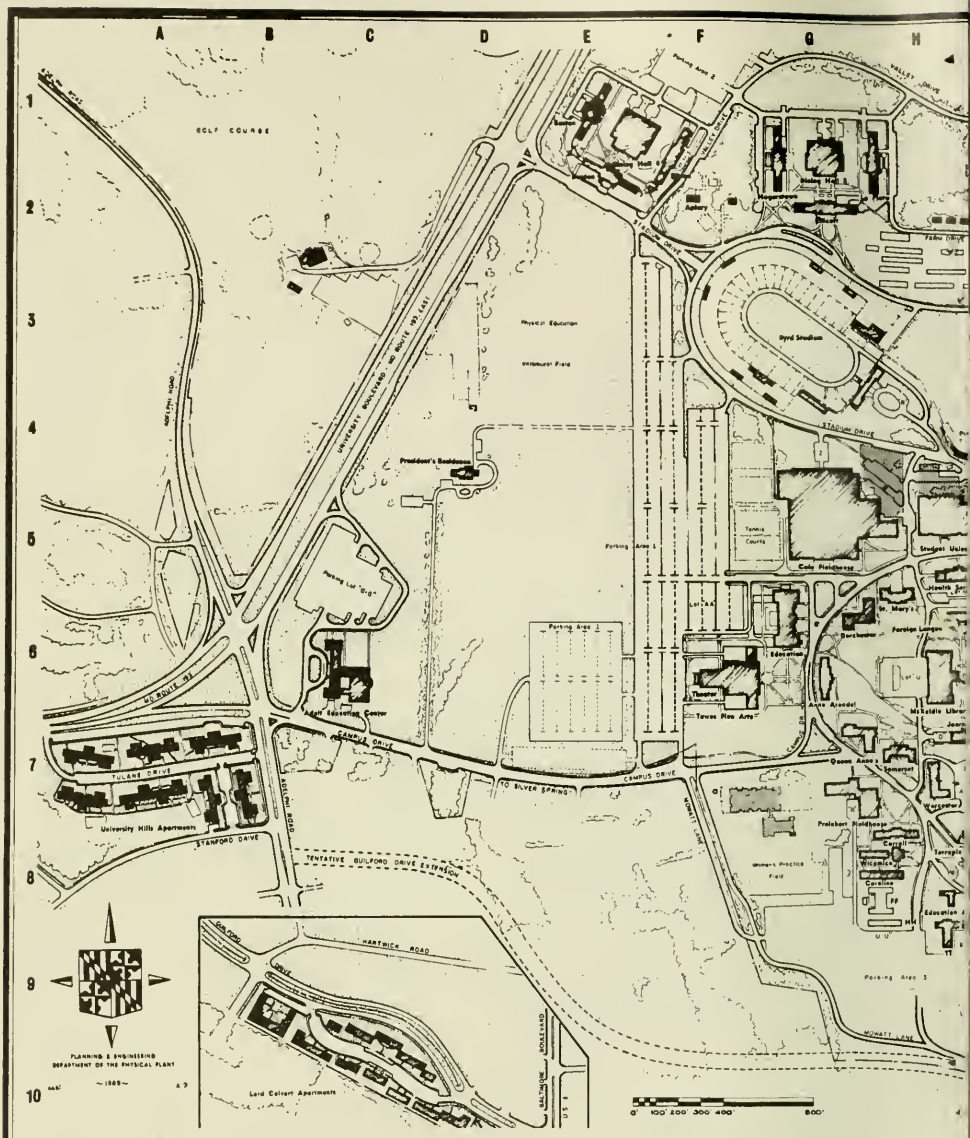
General Education 111

Home Economics 113
Applied Design 113
Crafts 113
Family and Community Development 114
Food 115
Home Economics 115
Housing 115
Institutional Administration 115
Nutrition 116
Textiles and Apparel 116

School of Library and Information Services 117

Physical Education, Recreation and Health 119
Health Education 119
Physical Education 120
Recreation 122

Board of Regents 125
University of Maryland—Academic Resources and Points of Interest 127

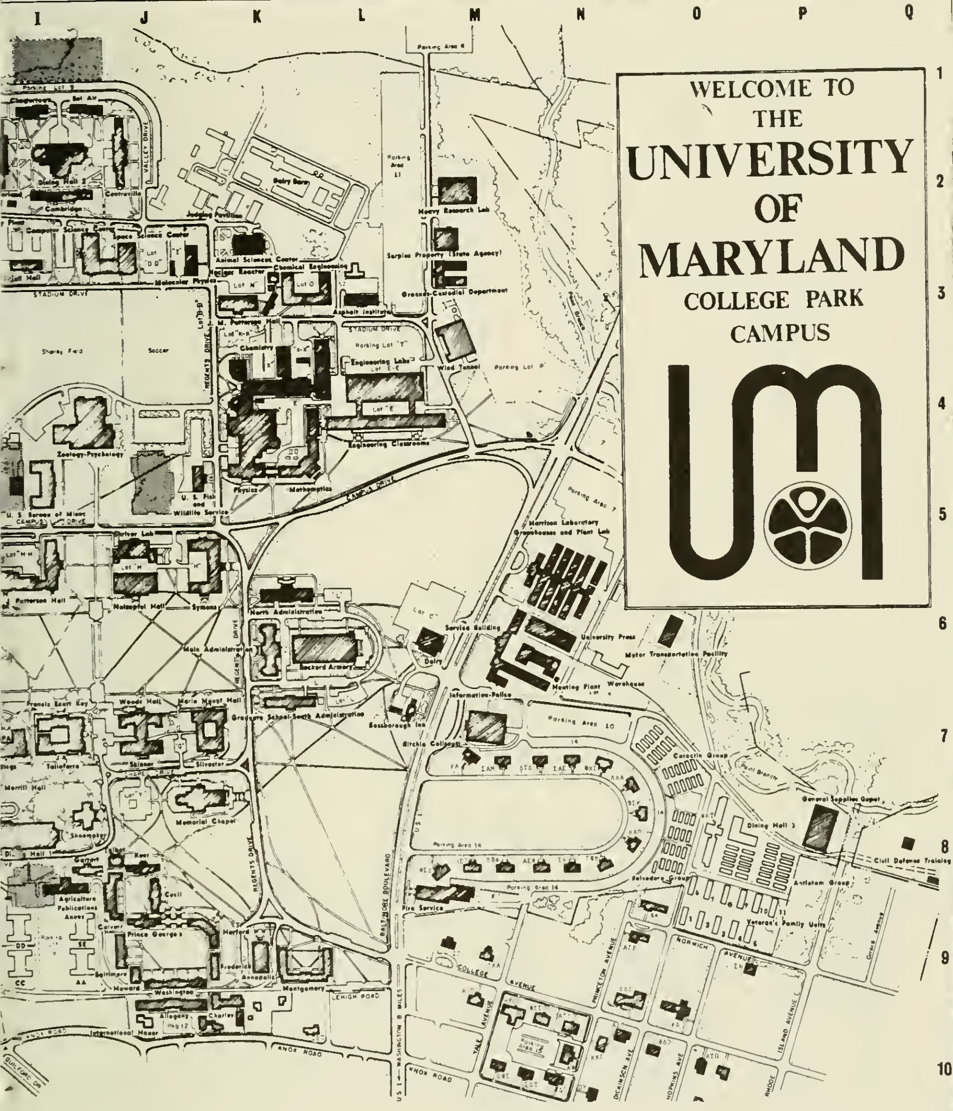


INDEX	CODE
Administration Bldgs.	
Main Admin. Bldg.	K6
North Admin. Bldg.	K6
South Admin. Bldg.-Grad. School Bldg.	K7
Adult Education Center	C6
Agriculture, College of (Symons Hall)	K5
Agriculture Publications Annex	I8
Animal Science Center	K2
Annapolis Hall	K9
Apiary	F2
Architecture, School of (DD)	I9
Armory, Reckard	L6
Arts and Sciences, College of (Francis Scott Key Hall)	I7
Asphalt Institute	L3
Bureau of Mines, U. S.	I5
Business and Public Administration (B.P.A.) Bldg.—Tydings Hall	I7
Business and Public Administration, College of (B.P.A. Bldg.	I7
Byrd Stadium	G3
Central Receiving-Gen. Supplies Depot	P8
Chapel, Memorial	K7
Chemical Engineering Bldg.	K3
Chemistry Bldg.	K4
Civil Defense Training Bldg.	O8
Cole, Student Activities Bldg	G5
Coliseum, Ritchie	M7
Computer Science Center	I3
Cottages	H2

INDEX	CODE
Dairy (Turner Lab)	M6
Dairy Barn	K2
Denton Hall	E2
Dining Hall 1	I8
Dining Hall 2	I2
Dining Hall 3	O8
Dining Hall 4	E1
Dining Hall 5	G2
Drake Lecture Halls	K4
Education Annex	H8
Education Bldg.	G6
Education, College of (Education Bldg.)	G6
Engineering Classrooms	L4
Engineering, College of (Eng'ring Class's)	L4
Engineering Labs	L4
Fieldhouses	
Cole, Student Activities Bldg.	G5
Preinkert Fieldhouse	G7
Fine Arts Center, Tawes	F6
Fire Service Bldg.	M8
Fish and Wildlife Service, U.S.	J5
Foreign Languages Bldg.	H6
Francis Scott Key Hall	I7
General Supplies Depot-Central Receiv'g	P8
Golf Course	C2
Graduate School Bldg.-Sa. Admin. Bldg.	K7
Greenhouses	N6
Grounds—Custodial Bldg.	M3
Harrison Lab	N6
Health Service—Infirmary	H5

INDEX	CODE
Heating Plant	N6
Heavy Research Lab	M2
Holzapfel Hall	J6
Home Economics	K7
Home Management Center	K10
Industrial Education Annex	K3
Infirmary—Health Service	H5
Information	
Main Admin. Bldg.	K6
Police Department	M6
International House	J10
Journalism Bldg.	H7
Judging Pavilion	K2
Jull Hall	I3
Library, McKeldin	H6
Library and Information Services, School of (McKeldin Library)	H6
Lord Calvert Apartments	
Marie Mount Hall	K7
Mathematics Bldg.	K4
McKeldin Library	H6
Memorial Chapel	K7
Mobil Units—Trailers	O8
Molecular Physics Bldg.	J3
Morrill Hall	I7
Motor Vehicles Transportation Facilities	O6
Nuclear Reactor	K3
Nursing, School of (Denton Hall)	E2
Patterson Hall, H. J. (Agronomy-Botany)	I6
Patterson Hall, J. M. (Industrial Educ.)	K3

INDEX
Physical Education, S
Health, College of
Physics Bldg.
Plant Lab
Police Departme
Poultry Lab
Preinkert Fieldhouse
Print Shop—Universi
Reckard Armory
Residence Halls, Men
Allegany Hall
Annapolis Hall
Antietam Group
Baltimore Hall
Bel Air Hall
Belvedere Group
Calvert Hall
Cambridge Hall
Catoctin Group
Cecil Hall
Charles Hall
Chestertown Hall
Cumberland Hall
Easton Hall
Ellicott Hall
Frederick Hall
Garrett Hall
Harford Hall
Howard Hall
International House



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…le Fieldhouse)	G5
	K4
	N6
	M7
	I3
	G7
…ress	N6
	L6
	J9
	J9
	O8
	J9
	J1
	O8
	J8
	I2
	O7
	J8
	K10
	I1
	I1
	E1
	G2
	K9
	I8
	K9
	J9
	J10

INDEX	CODE
Kent Hall	J8
La Plata Hall	H2
Prince George's Hall	J8
Talbot Hall	J8
Washington Hall	J9
Residence Halls, Women's	
Anne Arundel Hall	G6
Antietam Group	O8
Belvedere Group	O8
Caroline Hall	H8
Carroll Hall	H8
Catoctin Group	O7
Centerville Hall	J2
Centreville Hall	J2
Denton Hall	E2
Dorchester Hall	H6
Elkton Hall	F2
Hagerstown Hall	G2
La Plata Hall	H2
Montgomery Hall	K9
Queen Anne's Hall	G7
Somerset Hall	H7
St. Mary's Hall	H5
Wicamico Hall	G8
Worcester	H7
Ritchie Coliseum	M7
Rossborough Inn	L7
Service Bldg.	M6
Shipley Field	I4
Shoemaker Hall	I8

INDEX	CODE
Shriver Lab	J5
Silvester Hall	K7
Skinner Bldg.	J7
Space Science Center	J3
Stadium, Byrd	G3
Student Union	H5
Surplus Property Bldg.	M3
Symons Hall	K5
Taliaferro Hall	I7
Tawes Fine Arts Center	F6
Temporary Classrooms	
AA—Health	I9
CC—Zoology	I9
DD—Architecture	I9
EE—Dance	I9
FF—WMUC	H8
HH—Art	H8
TT—Art	H8
UU—Architecture	H8
Terrapin Hall	H8
Theatre (Tawes Fine Arts Center)	F6
Trailers—Mobil Units	
Antietam Group	O8
Belvedere Group	O8
Catoctin Group	O7
Turner Lab (Dairy)	M6
Tydings Hall—B.P.A. Bldg.	I7
University College	
(Adult Education Center)	C6
University Hills Apartments	A7

INDEX	CODE
University Press—Print Shop	N6
Veterans' Family Units	O9
Warehouse	N6
Wind Tunnell	M3
Woods Hall	J7
Zoology-Psychology Bldg.	I4

PARKING

Casual visitors, without permits, may park in those parking wells adjacent to major buildings which are clearly marked for visitors. Metered parking is also available around the Student Union and in parking areas L (Administration Buildings), DD Computer and Space Sciences Centers) and in areas KK and T (Engineering - Sciences Complex.) Visitors participating in University sponsored special activities may through special arrangement with the Campus Police, be assigned temporary parking places.

University Calendar 1971-72

SUMMER SCHOOL 1971

June 21, 22	Mon.-Tues.	Registration
June 23	Wed.	Instruction Begins
July 5	Mon.	Independence Day, Holiday, No Classes
August 13	Fri.	Summer Session Ends

FALL SEMESTER 1971-72

September 7-11	Tues. through Sat.	Fall Semester Registration
September 13	Mon.	Instruction begins
November 24	Wed., after last class	Thanksgiving recess begins
November 29	Mon., 8:00 A.M.	Thanksgiving recess ends
December 17	Fri., after last class	Christmas recess begins
January 3	Mon., 8:00 A.M.	Christmas recess ends
January 11	Tues., after last class	Instruction ends
January 12, 19	Wed.	Exam study days
January 13-21	Thurs. through Fri.	Fall semester final examinations

SPRING SEMESTER 1972

January 31-February 5	Mon. through Sat.	Spring Semester Registration
February 7	Mon.	Instruction begins
March 31	Fri., after last class	Spring recess begins
April 10	Mon., 8:00 A.M.	Spring recess ends
May 23	Tues., after last class	Instruction ends
May 24	Wed.	Pre-exam study day
May 29	Mon.	Memorial Day
May 25-June 2	Thurs. through Fri.	Spring semester examinations

REGISTRATION SCHEDULE
SUMMER SCHOOL 1971

Monday and Tuesday
June 21 and 22, 1971

To expedite registration, students have been grouped on the basis of the first letters of the last name. No student will be permitted into Preinkert Field House until the appropriate time, as listed below.

	Monday	Tuesday
8:15	Za-Bal	Lj-Ma
8:40	Bam-Bl	Mb-Mn
9:05	Bm-Bt	Mo-Ni
9:30	Bu-Ch	Nj-Ph
9:55	Ci-Co	Pi-Re
10:20	Cp-Dn	Rf-Rz
10:45	Do-Ez	Sa-Sgl
11:10	Fa-Fz	Sgm-Ss
11:30	Ga-Grl	St-Td
1:00	Grm-Hd	Te-Vz
1:25	He-Hr	Wa-Wh
1:50	Hs-Jz	Wi-Yz
2:15	Ka-Kr	
2:40	Ks-Li	

Preinkert Field House, Packet Distribution—Monday 8:15 to 3:45 only
Tuesday 8:15 to 3:00 only

Armory, Registration Processing—8:30 to 4:45 only

Since Social Security Numbers are now used to identify registration materials and student records, it is essential that each student bring his Social Security Card or Number with him for ready reference. A previously admitted graduate student must also bring his plastic transactions card and the new graduate student must bring the letters offering him admission.

Dr. Clodus R. Smith, Director

THE SUMMER SCHOOL

CLODUS R. SMITH, Associate Professor of Agricultural and Extension Education and Director of the Summer School
B.S., Oklahoma State University, 1950; M.S., 1955; and Ed.D., Cornell University, 1960.

JOHN F. PARR, Visiting Lecturer in History and Assistant Director of Summer School for Academic Programs
B.S.F.S., Georgetown University, 1939; M.A., 1948; Ph.D., 1951, University of Fribourg, Switzerland.

PAUL P. TRAVER, Professor of Music and Assistant Director of the Summer School for Cultural and Recreational Programs
B.Mus., Catholic University, 1955; M.Mus., 1957; and D.M.A., Stanford University, 1967.

JOHN W. CHURCHILL, Associate Professor of Recreation and Coordinator of the Summer School Recreation Program
B.S., State University of New York, Cortland, 1958; M.S., University of Illinois, 1959; Ph.D., University of Wisconsin, 1968.

The Summer School at the University of Maryland makes available educational opportunities for undergraduate and graduate students who wish to fulfill degree requirements in the shortest length of time, who wish to take courses that they cannot fit into their academic year schedules, or who need to make up deficiencies or test their ability to do college work. The Summer School also seeks to broaden and vary the instructional program by appointing outstanding visiting lecturers and to stimulate students' interests by providing an academic environment which includes a diversified cultural and recreational program. To meet specific educational needs, the Summer School offers workshops and institutes for school personnel and other groups.

The extensive and varied course offerings, lectures, special institutes, and workshops are planned jointly by the Department Heads, Deans, and the Director of the Summer School. The courses offered are regular University courses taught by members of the faculty or visiting lecturers of outstanding ability. For information not found in this catalog, please write or phone:

THE SUMMER SCHOOL
201 Turner Laboratory
University of Maryland
College Park, Maryland 20742
Telephone (301) 454-3347/8

ADMISSION AND REGISTRATION PROCEDURES

Terms of Admission

General Statement: The University of Maryland, in all its branches and divisions, subscribes to a policy of equal educational opportunity for peoples of all races, creeds and ethnic origins.

All Summer School students new to the College Park Campus of the University must be officially admitted. This applies to all non-degree as well as degree candidates.

College Park Campus Regular and Special Student Admission

Undergraduate day students or graduate students who were registered on the College Park Campus during the spring semester and were in good academic standing at the end of the spring semester need only to appear for registration at the time indicated on page 7.

Undergraduate day students, except Maryland elementary and secondary school teachers who are previously admitted special undergraduate students, who were not registered at the College Park Campus during the preceding semester must be readmitted or reinstated. Applications for readmission or reinstatement may be obtained from the Admissions Office and should be filed 30 days in advance of registration.

Maryland elementary and secondary school teachers who were previously admitted as special undergraduate students, who retain this classification, and who are in good academic standing, need only to appear for registration at the time indicated on page 7.

A University College-College Park student must only present a letter of permission from his dean in order to register.

UMBC and University College—Baltimore Students

The UMBC or University College Baltimore student who wishes to take summer courses at College Park must present a letter from his dean and an application, but no application fee.

Students from Other Colleges and Universities

A student seeking a bachelor's degree in any undergraduate college, who has not been previously admitted to the University, must file an application with the Director of Admissions not later than June 1, 1971. Students applying only for the summer session must have a letter of permission from the Dean or Registrar of the college in which they are presently enrolled. In addition they must be in good standing (not on probation) at their present college.

New Freshman Students

Admission from secondary school is based on evidence indicating the applicant's probable success in the program of his choice. Applicants will be evaluated by two sets of criteria: (1) high school academic record in college preparatory subjects and class standing and (2) the University's predictive index.

High School Record and Class Standing

Applicants for admission from secondary school who have (1) achieved at least a C average, when D is the lowest passing grade, in college preparatory subjects and (2) rank in the top half of their class will be offered admission.

Predictive Index

Applicants who have achieved at least a C average but who do not rank in the upper half of their class will be evaluated on the basis of the University's predictive index. The variables included in the index are the applicant's (1) grade-point average in academic courses, (2) class rank and (3) Scholastic Aptitude Test scores.

An applicant whose predicted grade-point average at the end of the first year is 1.75 or better (on a 4.0 scale) will be offered admission.

Other Requirements for Admission

In addition to meeting one of the sets of criteria noted above, all applicants must also:

1. Be recommended for admission by their high school principal or counselor;
2. Have received their high school diploma before their first registration with the University;
3. Have successfully completed the high school subjects required for the college and curriculum for which application is made, except admission to the School of Architecture which is competitive with selection based on previous academic achievement;
4. Have completed the Scholastic Aptitude Test and have requested that the results be submitted to the University. Applicants should take the SAT before the end of the fall semester preceding enrollment at the University. For further information on the SAT, applicants should consult their high school counselor or write to the Educational Testing Service, Princeton, New Jersey 08540. To have the test results sent to the University of Maryland at College Park, use the College Park Campus code number 5814 in the proper place on the test.

New Transfer Students

An applicant must be in good standing in scholarship and character to be considered for admission. Transfer applicants who are residents of Maryland are required to have at least a C average (2.0 on a 4.0 scale) in all previous work. The Associate of Arts degree qualifies the community college transfer student for admission.

Non-resident applicants are required to have a cumulative average of at least 2.5 on a 4.0 scale.

For further information inquire of the Coordinator of Transfer Students, Office of Admission.

New Special Students

Applicants over 21 years of age who qualify for admission but who do not desire to work toward a baccalaureate degree may be admitted as special students. These students are ineligible to matriculate for a degree until they have submitted all required documents. Permission from the dean of the various schools and colleges of the University is often needed in order to enroll as a special student.

Special students who have received a baccalaureate degree are advised that no credit earned while enrolled as special students may be applied at a later date to a graduate program. These post-baccalureate students may enroll for courses at the 300 to 499 level for which they possess the necessary prerequisites but may not enroll in courses restricted to graduate students only.

Applicant Procedures for Undergraduate and Special Students

An application form may be obtained by using the request for application found in the back of this Bulletin or by applying directly to the Office of Admissions.

All undergraduate and special students applying for Summer School admission, unless exempted above, must file applications with the Director of Admissions not later than June 1, 1971.

New Graduate Students

All new graduate students must file an application and all supporting records with the Office of the Vice President for Graduate Studies and Research by May 15, 1971, and must have been admitted to the University before registering for classes. To secure an application form, please fill out and return the request for application for graduate admission found in the back of this Bulletin.

REGISTRATION PROCEDURES

Every student planning to register for one or more courses must be admitted to the University, regardless of his desire to become a degree or non-degree student. See information on page 10 on Admissions.

Undergraduate and graduate students enrolled in the 1971 Spring Semester who are in good academic standing may register without further application.

Registration for all undergraduates and graduate day division students will take place in accordance with the Registration Schedule printed on page 7 of this catalog. No student will be permitted to begin registration before the time listed in the Registration Schedule. Registration materials will be distributed in Preinkert Field House according to the alphabetical schedule on page 7 of this catalog. All students must secure registration materials at the Preinkert Field House before going to deans or advisors. Since Social Security numbers are used to identify registration materials and student records, it is essential that each student bring his Social Security Card or Number with him for ready references. A previously admitted graduate student should also bring his plastic transactions card. New students must bring their letter of admission. Registration cards must be approved by both the student's advisor and dean. Graduate students must secure the approval of the Vice President for Graduate Studies and Research. Graduate students in The College of Education must secure the approval of the Dean, College of Education, as well as the Vice President for Graduate Studies and Reseach.

After approval, registrations are completed at the Armory where students secure section assignments, receive bills, pay fees, and submit all forms to the Registrar's representatives. Until all completed forms are submitted to the Registrar's representatives and fees paid, registration is neither complete nor official.

Students may register in "late registration" at the Registrations Office on June 23. After June 23, exceptional cases may be registered only after approval of the appropriate dean. The late registration fee, charged on and after June 23, is $20.00.

ACADEMIC INFORMATION

Academic Credit

The semester hour is the unit of credit. During the summer session a course meeting five times a week for six weeks or four times a week for eight weeks, each requiring the normal amount of outside work, is given a weight of three semester hours. Each class period is 80 minutes in length.

Students who are matriculated as candidates for degrees will be given credit toward the appropriate degree for satisfactory completion of courses. All courses offered in Summer School are applicable toward the appropriate degree provided they are included in the student's program as planned with his advisor.

All students will receive an official grade specifying the amount and quality of work completed.

Marking System

The following symbols are used for marks: A, B, C, and D—passing; F—Failure; I—incomplete. Mark A denotes superior scholarship; B, good scholarship; C, fair scholarship; and D, passing scholarship. The mark of "I" (incomplete) is exceptional. Courses may be taken on a pass/fail basis. Complete regulations governing marks are printed in the University's General and Academic Regulations.

Maximum Load

Students may earn credit at the discretion of their respective advisors in accordance with the following guidelines.

Undergraduates

Students enrolled only in courses of eight-week duration may earn eight to ten credits. Students enrolled only in courses of six-week duration may earn six to eight credits. Students enrolled in combinations of six and eight-week courses may earn seven to nine credits.

Graduate

Students enrolled exclusively in courses of eight-week duration may earn a maximum of eight credits. Students enrolled in courses of six-week duration may earn a maximum of six credits. Students enrolled in combinations of six and eight-week courses may earn a maximum of seven credits.

Summer Graduate Work

Appropriate courses offered by the Summer School may be counted toward the various doctoral and master's degree programs. A full year of residence or the equivalent is the minimum requirement for each degree. The bulletin of the Graduate School contains a full description of the degrees offered and the requirements.

For graduate students pursuing doctoral work, the Summer School provides French 0 and German 0 to help them prepare for the foreign language examinations. Please inquire of the Graduate School the exact dates for application and examination.

Special regulations governing graduate work in Education and supplementing the work statement contained in the Graduate School Announcements may be obtained from the College of Education. Students seeking the master's degree as a qualification for a certificate issued by the Maryland State Department of Education or any other certifying agency should consult the appropriate bulletin for specific requirements.

All students desiring graduate credit, whether for meeting degree requirements, for transfer to another institution, or for any other purpose, must be regularly matriculated and registered in the Graduate School.

Candidates For Degrees

All students who expect to complete requirements for degrees during the summer session should make application for diplomas during summer registration or at the Office of Registrations by July 2, 1971.

General Education Program

The University's minimum requirement in general or liberal arts studies, incorporated in all undergraduate curricula, is known as the General Education Program. The courses which may be elected under the program are designed to acquaint the student with the basic concepts and methods of a number of academic disciplines and to provide a broad foundation upon which the entire educational experience can be correlated.

The requirement consists of 34 semester hours of credit distributed over six general areas: 9 credits in English composition and literature; 6 credits in history; 6 credits chosen from at least two fields of the social sciences; 7 credits in biological and physical sciences; 3 credits in mathematics; 3 credits in fine arts or in philosophy. In order to permit the student the widest possible choice, a number of course options are available in each of the fields except English. In addition, two semesters of physical education and a course in health education are required of all undergraduates.

Specific courses which may be used to satisfy these general education requirements are administered by four of the campus colleges; the various offerings are coordinated by a Director of the General Education Program for the University.

Advanced Placement Program

Students entering the University from secondary schools may obtain advanced placement and college credit on the basis of their performance in the College Board Advanced Placement examinations. These examinations are normally given to eligible high school seniors during the May preceding matriculation in college.

Questions about the program may be addressed to the Director of Admissions and Registrations, College Deans or the Director of General Education. Additional information is presented in the combined catalog. For detailed information about examinations and procedures in taking them, write to the Director of Advanced Placement Program, College Entrance Examination Board, 475 Riverside Drive, New York, New York 10027.

GENERAL INFORMATION

Class Periods

Unless otherwise noted, classes during the 1971 summer session will meet on the following time schedule:

Day Classes	Evening Classes
8:00— 9:20	MW 7:00—9:50 p.m.
9:30—10:50	TTh 7:00—9:50 p.m.
11:00—12:20	MTWTh 7:00—8:20 p.m.
12:30— 1:50	MTTh 8:30—9:50 p.m.
2:00— 3.20	
3:30— 4:50	

Weekly Class Schedule

6-week classes

2 credit courses meet 4 days as indicated in the bulletin.
3 credit courses meet daily.
4 credit courses meet daily and include multiple periods for laboratory.

8-week classes

2 credit courses meet MWF.
3 credit courses meet MTThF.
4 credit courses meet daily, plus laboratory time.
All evening classes, according to schedule.

Residency Policy of The University of Maryland

Students who are minors are considered to be resident students if at the time of their registration their parents have been domiciled in the State of Maryland for at least six months.

The status of the residence of a minor is determined at the time of his first registration in the University and may not thereafter be changed by him unless his parents move to and become legal residents of Maryland by maintaining such residence for at least six months. However, the right of the minor student to change from a non-resident status to resident status must be established by his parents or legal guardian prior to the registration period set for any semester.

Adult students are considered to be residents if at the time of their registration they have been domiciled in Maryland for at least six months, provided such residence has not been acquired while attending any school or college in Maryland or elsewhere. An adult may change his status from non-resident to resident by withdrawing from the University for six months and remaining in the State as a civilian not enrolled in any other institution for more than eight semester hours of credit. Time spent on active duty in the armed services while stationed in Maryland will not be considered as satisfying the six-months period referred to above unless the individual's home of record on his official military records is the State of Maryland. In the case of both military personnel and adults, residence may be established through ownership and maintenance of a home in the state which is the student's primary place of domicile.

Procedures are available for reviewing the residence status of students. Individuals seeking to appeal the decisions concerning their residence status should contact the Office of Admissions.

The word "domicile" as used in this regulation shall mean the permanent place of abode. For the purpose of this rule only one domicile may be maintained.

Tuition and Fees

All Students

Auxiliary facilities fee	$ 4.00
Summer Vehicle Registration Fee	5.00
($5.00 for first vehicle and $1.00 each for additional vehicles in accordance with published regulations.)	
Recreation fee	3.00

Undergraduate Students

Tuition per credit hour $22.00
Non-resident fee 15.00
Per session. Must be paid by all students who are not residents of Maryland.
Application fee 10.00

Graduate Students

Application or matriculation fee 10.00
Payable only once upon admission. Every student must be admitted.

Tuition per credit hour:
Resident Student $38.00
Non-resident Student 48.00
Maryland Teacher 34.00

A Maryland teacher is defined for fee assessment purposes as any full-time professional employee of a school or college located in the State of Maryland and accredited by the State Department of Education. The teacher must be currently under contract or on official leave for the purpose of taking full-time graduate work at the University of Maryland. Teachers enrolling in the summer session will be considered as being currently under contract provided that they have a valid contract for the academic year immediately following the summer session.

CONTRACT STATUS MUST BE ESTABLISHED ANEW AT EACH REGISTRATION by the submission of a letter, or other appropriate document, provided by the Board of Education of the city or county or principal officer of the school or college in which the teacher is employed. If the letter or document is needed by the teacher for other puposes, he must supply a photocopy which will be retained by the registration clerk. The necessary letter, document, or photocopy must be provided at the time of registration.

Miscellaneous Information

Late registration fee, $20.00, charged on and after June 23. Graduate Language Examination Fee, $10.00.

A fee of $5.00 is charged for change in program after June 25. If such change involves entrance to a course, it must be approved by the instructor in charge of the course entered. Courses cannot be dropped after July 9. All changes must be approved by the appropriate dean and filed in the Office of Registrations.

The graduate fee is $10.00 for bachelor's and master's degrees, and $50.00 for doctoral degrees. Students who apply after the end of the second week (after July 3) of a summer session will be required to wait for the next academic semester in order to obtain a diploma.

Students enrolled in Applied Music will be assessed a $40.00 fee for each course taken, in addition to regular credit hour fees.

Fees for Auditors and courses taken for audit are the same as those charged for courses taken for credit at both the undergraduate and graduate levels.

Service Charge for Dishonored Check $20.00
Smaller service charges apply to checks under $100.00.

Withdrawal and Refund of Fees

Any student compelled to leave the University at any time during the summer session must secure the Application for Withdrawal form from the office of his dean and file it in the Office of Registrations bearing the proper signatures. If this is not done, the student will not be entitled, as a matter of course, to a certificate of honorable dismissal, and will forfeit his right to any refunds to which he would otherwise be entitled. The date used in computing refunds is the date the Application for Withdrawal is filed in the Office of Registrations. In the case of a minor, official withdrawal will be permitted only with the written consent of the student's parent or guardian.

With the exception of the matriculation fee and vehicle rights fee which are not refunded, students withdrawing from the University will receive a refund of all charges in accordance with the following schedule:

Period from Date Instruction Begins	Refundable Percentage
One week or less	70%
Between one and two weeks	50%
Between two and three weeks	20%
After three weeks	0

Refund for Dropping a Course

All students will be given a 70% refund of Credit Hour Fees for courses dropped after the close of the official registration period but before 4:30 on June 25. No refunds will be made for courses dropped after June 25.

Living Accommodations and Food Service

Residence Hall accommodations are available only to students who are enrolled in the Summer School or authorized workshops and conferences. When students terminate their academic association with the University, they also terminate their room contract. Listings of off campus rooms, apartments, and houses are available in the Off Campus Facilities Division of The University Housing Office.

The facilities of the residence halls typically include study rooms, lounges, recreation centers, laundry equipment, and public telephones. The typical student room is for double occupancy and is furnished with beds, chests, desks, and chairs. Each resident supplies other essential items such as study lamp, waste basket, laundry bag, pillow, linen, and other accessories. The Gordon-Davis Linen Supply Company, 1620 North 11th Street, Philadelphia, Pennsylvania 19122, is authorized to offer all resident students a complete weekly linen rental service. Additional information may be obtained from the company, or arrangements for linen service can be made after arrival.

All students are held responsible for compliance with University and residence regulations.

Residence Hall accommodations are available at the following costs, on the basis indicated:

Regular Residence Halls	Double Occupancy	Single Occupancy
Six week session	$72.00	$ 96.00
Eight week session	$96.00	$128.00

Weekly rates of $12.00 for double room and $16.00 for single room will be charged to students enrolled in workshops and other special courses of less than six weeks' duration.

No room deposit is required for the summer session; however, the applicable room charge is payable in full at registration. No refunds of room charges will be made after the third week of classes.

Early application for a reservation is advisable. Only those who have made application and received a confirmation of room reservation can be assured that rooms are available for them upon their arrival. To secure an application for campus residence, please complete and return the Request for Housing Application found in the back of this Bulletin. It is impossible to honor all room assignment requests. Since most of the rooms in the residence halls are double rooms, there is no guarantee that a request for a single room can be granted. Applicants will be notified by mail after June 1 of the time and place to receive their room assignment. Do not call or write prior to this date. The applicant beginning classes on Wednesday, June 23, must claim his room in his residence hall by noon on that date. The applicant beginning classes at other times must claim his room by reporting to the University Housing Office between 8:30 a.m. and 4:30 p.m. Otherwise the specific room reservation will be cancelled.

The University residence halls will open for occupancy at 10:00 a.m. Sunday, June 20. Students will be expected to move out of the residence halls before 7:00 p.m. on the day after their classes end. The six week session ends on July 30. The eight week session ends on August 13.

Residence hall assignments for the summer in no way affect housing assignments for the following academic year. Room assignment is for the summer session only. If a student is to be a full-time, single, undergraduate student during the regular academic year and wishes to apply for campus residence, he must apply through the University Housing Office.

The following steps are suggested for shipping baggage: (1) address to: Central Receiving, University of Maryland, College Park, Maryland 20742, (2) be sure all postage, shipping, and customs duties are prepaid (shipments will not be accepted unless all charges are prepaid), and (3) upon arriving at the University, call for luggage at the Central Receiving Warehouse. The University does not make delivery to the residence halls.

Food service is available to all summer students in the University's Dining Halls. Meals will be served on a cash-pay-as-you-go basis only. During summer school, meals will be served seven-days each week, three meals a day with the exception of Sunday evening.

Student Health

The University Infirmary, located on the campus near the Student Union, provides medical service for the students in the summer session who are taking courses on the College Park Campus. Students who are ill should report promptly to the University Infirmary in person. Serious emergencies may be reported by phone to Ext. 3444, or if transportation for emergency is needed, call 3555 on campus phone or 454-3555 on a pay phone. Doctors' office hours are: week days, 9:00 a.m. to 4:00 p.m.; weekends, 10:00 a.m. to 11:00 a.m. Nurses are on duty 24 hours each day, and doctors are on call for serious conditions after regular office hours.

Automobile Registration

All students are required to register their automobiles at the time of registration for classes. Students must bring their operators license and the state or District of Columbia automobile registration card containing the automobile tag number. Parking stickers for automobiles previously registered for the 1970-1971 academic

year will be honored for the 1971 summer session. For automobiles operated by new students or non-registered cars operated by continuing students, there will be a registration fee. (See page 15.) Vehicles must be registered by the legal operator only.

For use of students, staff members, and employees, several parking lots are provided. Students may park in lots 1, 2, 3, 7, and 11 during the summer session with a registered car. All other lots are reserved for faculty and staff members. Visitor wells are reserved for visitors and guests between the hours of 8:00 a.m. to 5:00 p.m. The University Regulations forbid the parking of cars on any campus road. These regulations are enforced by the Campus Police Department.

Libraries

Libraries of the University are located on the College Park and Baltimore campuses. They consist of the general University Library (the Theodore R. McKeldin Library), the Engineering and Physical Science Library, the Chemistry Library, and the Architecture Library in College Park; and the Health Sciences Library and the Law Library in Baltimore. The libraries have a total book collection of over 1,200,000 cataloged volumes and currently receive more than 15,000 periodicals and newspapers.

In addition to the total of cataloged volumes cited above, the College Park libraries contain over 180,000 U.S. government and United Nations documents, 350,000 negatives and prints, 2,600 film strips, 6,000 slides, and thousands of phonograph records, maps, and technical reports.

Bibliographical facilities of these libraries include, in addition to the card catalogs, printed catalogs of other libraries, e.g., British Museum, Bibliotheque Nationale, and Library of Congress, as well as trade bibliographies of foreign countries, special bibliographies of subject fields, and similar research aids.

Study carrels in the Theodore R. McKeldin Library are available to faculty members and graduate students whose study and research require extensive use of library materials. Lockers are likewise available for assignment to graduate students. Facilities for reading microtext materials, for typing, and for copying are also provided. Interlibrary loan service from other institutions is provided for those engaged in research.

University Bookstore

For the convenience of students, the University maintains a University Bookstore in the Student Union Building, where students may obtain at reasonable prices textbooks, stationery, classroom materials, and equipment. The Bookstore operates on a cash basis.

For Additional Information

Detailed information concerning fees and expenses, scholarships and awards, student life, and other material of a general nature, may be found in the University publication titled **An Adventure in Learning.** This publication may be obtained on request from the Catalog Mailing Room, North Administration Building, University of Maryland at College Park. A detailed explanation of the regulation of student and academic life may be found in the University publication titled **University General and Academic Regulations.** This is mailed in September and February of each year to all new undergraduate students. Requests for course catalogs for the individual schools and colleges should be directed to the deans of these respective units, addressed to:

Colleges Located at College Park

Dean
(College in which you are interested)
The University of Maryland
College Park, Maryland 20742

Professional Schools Located in Baltimore

Dean
(College in which you are interested)
The University of Maryland
Baltimore, Maryland 21201

SPECIAL SUMMER ACTIVITIES

As an integral part of its summer program, the University offers a Summer Lecture Series; Summer Festival of Fine Arts; Summer Recreation Program; institutes supported by the National Science Foundation, National Defense Education Act, and other granting organizations; and specialized workshops. Information about these events is provided below.

The Summer Lecture Series

A series of lectures for members of the University community is planned for the 1971 summer session. A committee of the faculty selects the theme for the lectures and invites the speakers, usually distinguished scholars, national leaders, or important state or University officials. The lectures thus become a contribution to the social and cultural offerings of the summer session. They are scheduled for the convenience of the students and faculty in air conditioned facilities on the College Park Campus.

1971 Summer Festival

The 1971 Summer Festival, under the direction of Dr. Paul Traver, will offer the campus and community a series of programs in art, dance, drama, film and music. Outstanding performers in these media will appear on the College Park campus. A complete calendar of events will be distributed at registration. To make it easier for students to attend the events, the majority of programs will be scheduled for evening and weekend hours and will be located in the air conditioned J. Millard Tawes Fine Arts Center. The Festival will offer the summer community a culturally enriched atmosphere in which academic studies may be more pleasantly pursued.

Summer Recreation Program

To promote and coordinate a summer program of leisure time activities for the campus community, the Summer School sponsors a Summer Recreation Program directed by Dr. John Churchill. This program includes such activities as square dancing; recreational swimming; an art workshop; bridge, chess, and bowling tournaments; softball leagues; and a variety of others. The Summer Recreation Office also assists the promotion and coordination of programs offered by other units. Special services such as social hours or special swimming sessions may be requested by any group. Possession of a University of Maryland staff identification card or validated student identification card allows an individual to participate in the Summer Recreation Program. A group fee may be charged to cover unusual expenses.

Institutes and Workshops

Communication regarding institutes and workshops should be addressed to the director, as indicated, University of Maryland, College Park, Maryland 20742.

All workshop and institute students must be admitted to the University according to procedures described on pages 10 to 12.

Institutes

National Science Foundation
Institute for Teachers of Elementary School Mathematics
Dr. Robert B. Ashlock, Early Childhood-Elementary Education
Institute for Teachers of Junior High School Mathematics
Dr. James T. Fey, Mathematics Department
Institute for High School Teachers of Biology
Dr. J. David Lockard, College of Education and Botany

Workshops

College of Arts and Sciences

Archaeological Field School (ANTH 494-694) 6 credits
June 22-Aug. 29; daily, 8:00-5:00.
Mr. Melburn Thurman, Director
The purpose of the field school is to train students in the basic field and laboratory techniques of archaeology and related anthropological research. Students will be involved in the excavation of contact—Indian and early colonial sites in southern Maryland and the laboratory analysis of the materials on campus. For further information, contact the director in the Department of Anthropology.

Workshop in Dance (DANC 489) 3 credits
June 21-July 9; daily, 9:30-12:30
Mr. Walter Nicks, Director
To offer an opportunity for Jazz: its style; its presentation; its history and teaching approaches.

Institute in Hispanic Language and Literature
June 21-August 13; MTWTh
Barbara Willoughby-MacDonald, Director
To provide a concentration primarily on the acquisition and proficiency of the skills of understanding and speaking with attention to advanced courses in a continuous exposure to Spanish in a Hispanic atmosphere.

College of Business and Public Administration

Managerial Mathematics Workshop (BSAD 000) 0 credit (billed for 3 credit hours)
June 21-August 13; MTuThF; 7.00-9.30 P.M.
Mr. Theodore Mattheiss, Director
The purpose of this course is to present mathematical concepts necessary for Economic, Managerial and Systems Analysis. The minimum mathematical tools required for courses in this area include elementary matrix algebra, elementary probability theory, mathematical relationships, and optimization of functions of one variable.

College of Education

Human Relations in Educational Administration (EDAD 499A) 6 credits
June 21-July 30; daily, 9.30-3.00

Dr. Clarence A. Newell, Director
This workshop is concerned with the development of leadership teams capable of providing in-service programs in human relations in local school systems. In addition to basic theory, the workshop will center on the practice and acquisition of specific relations skills.
Places will be held for teams for whom reservations have been made by March 1, by the various Maryland schools and school systems. If the reservations exceed the number of places, the Director of the Workshop will decide which reservations will be honored. After March 1, the Workshop will be available on a first-come-first-served basis to anyone who has been admitted to the Graduate School of the University.

Instructional Materials (EDUC 499B) 3 credits
June 23-July 13; daily 1:00-4:30; Educational Technology Center, College of Education
Dr. Margaret W. Chisholm
This workshop will give teachers, librarians, and administrators the opportunity to work on problems in the selection, organization, and utilization of instructional materials in school programs. It also covers changes in education as they affect the Instructional Materials Program, with emphasis on the newer media of instruction as well as traditional printed materials.

Supervision of Student Teachers (EDUC 499A) 3 credits
June 23-July 14; arranged
Dr. R. Ross Hempstead, Director
This workshop is planned for experienced personnel who are interested in studying the characteristics of good student teaching programs; the roles of the various cooperating personnel such as the cooperating teacher, the college supervisor, the principal, the academic supervisor, etc.; and an analysis of teaching.

Vocational Education (EDIN 499D) 1 credit
Section 1—June 23-August 11
Section 2—June 23-August 11
Section 3—June 23-August 11

European Travel Seminar (EDEL 499K) 6 credits
June 22-August 3
Dr. Richard O'Donnell, Director
The seminar is conducted as a supervised study tour designed to observe and experience cultures of various countries through travel, directed field study and an integrated series of lectures. Lectures may cover the historical geographical, political, economic and social aspects of a country or area. The tour will include major cities of the continent and London. Visits will include historic buildings, museums, and galleries, with ample free time for operas, concerts, ballet, shopping and independent travel. The seminar provides six semester hours of content undergraduate credit and is accepted by the Maryland State Department for certification. (Consent of instructor required.)

Human Development Workshops
Dr. Harry B. Green, Director

The Direct Study of Children and Youth (EDHD 313-613) 3 credits
(Laboratory in Behavior Analysis) July 12-July 30; daily, 12:30-3:00.
Leaders and prospective leaders of Child and Youth Study groups are provided basic training through lecture-discussion, laboratory periods, and library work.

Application of Human Development Principles (EDHD 499-C) 2 credits
August 2-August 13; daily, 8:00-12:00.
As new research findings emerge in human development, educational practices must necessarily be reevaluated. That is the purpose of this workshop.

Education Leadership (EDHD 499-K) 2 credits
June 7-June 18; daily, 8:00-12:00. (Prior to regular Summer Session).
Group processes and leadership techniques will be the focus of this workshop. Students and instructor(s) will be involved in a series of growth experiences as well as evaluating research related to group processes.

Workshop For Teachers of Disadvantaged Youth (EDSE 499-B) 3 credits
June 21-July 9; daily 9:30-3:30
Dr. Christine Bialek, Director
For pre-service or in-service teachers who are currently teaching disadvantaged youth or are interested in such teaching. The workshop will provide background material, laboratory skill training, and field research opportunities related to the target population. Prerequisite: teaching experience, and/or Human Development and Education or its equivalent. In special cases: permission of instructor.

Team Teaching (EDSE 499-D) 3 credits
June 21-July 9; daily 9:30-3:30
Dr. George Funaro, Director
This workshop is designed to analyze the theoretical assumptions behind the team teaching organizational pattern. Teachers and administrators will also have an opportunity to develop team teaching projects to be implemented in their local schools. There will be lectures by the director and distinguished consultants, films, outside visits, development of personal team teaching project, etc.

Teaching Family Relationships in The Secondary School (EDSE 499-L) 3 credits
July 12-July 30, daily 9:30-3:30
Dr. Louise Lemmon, Director
This workshop, offered primarily for secondary Home Economics teachers, will focus on analysis of the content of family studies appropriate to the secondary school, and synthesis of conceptual curriculum plans for teaching human development and family studies. The workshop will feature seminar sessions, conferences regarding individual projects and field trips to agencies working with families.

Recent Trends in Methods of Teaching Home Economics (EDSE 499-M) 3 credits
June 21-July 9; daily 9:30-3:30
Dr. Kinsey B. Green, Director
This workshop designed primarily for Home Economics teachers, will focus on analysis of recent trends in teaching methods, application of the methodology of conceptual teaching, evaluation of teaching according to research models and analysis of the relationship between learning theory, communication theory, and methods of teaching. Workshop format will emphasize seminar sessions and individual projects, including a micro-teaching experience.

Distributive Education Topics (EDSE 499-P) 3 credits
July 5-July 23, daily 9:30-3:30
Dr. C. Raymond Anderson, Director
Workshop aimed at reorienting and retraining teachers for instructional patterns to fit occupational demands and individual student needs in regular and special areas. Participants will be involved in developing curriculum materials and teaching approaches adaptable to individual and special needs.

Interpersonal Communications and Human Relations in the Classroom (EDSE 499-R) 3 credits

July 12-July 30, daily 9:30-3:30

Dr. George Funaro, Director

Consideration of the human factor in the teaching-learning (educational) process. Emphasis on interpersonal communication techniques including role-playing, analysis of group assessment, and structured approaches to the examination of behavior in emotional and stress situations with the expectation that understanding of a teacher's behavior requires, among other things, his awareness of how he himself affects the interpersonal relationship because of his own point of view and consequent behavior.

Workshop in Ethnic Studies (EDSE 499-Y) 3 credits

June 21-July 9; daily 9:30-3:30

Dr. Arthur Adkins, Director

Workshop aimed at studying and preparing curriculum plans in ethnic studies including contribution to American culture of minority groups. Sponsored jointly by the University of Maryland and the Maryland State Department of Public Instruction. Credit in either Elementary or Secondary Education as desired.

College of Home Economics

Special Topics—Helping Families with Managerial and Consumer Problems (FMCD 490) 3 credits

June 21-July 17; daily 9:00-12:30

Dr. Charlotte V. Churaman, Director

This workshop is designed to aid men and women who work in family-centered programs in (1) clarifying key concepts in the development and use of family resources and (2) designing approaches for helping families with consumer activities and task performance to meet family goals.

Resource speakers will discuss alternative proposals for government income subsidies, legal aspects of consumer problems and the evaluation of family progress.

Participants who wish to pursue individual follow-up projects on their own jobs or in volunteer programs in their home communities may enroll for 1-3 extra credit hours. They would participate in a follow-up conference to be arranged.

Special Topics—Helping Families with Managerial and Consumer Problems (HOEC 678) 3 credits

See description for FMCD 490.

College of Physical Education, Recreation and Health

Advancements in Health Science and Health Education (HLTH 489-A) 3-6 credits

June 23-July 30; daily, 9.00-12.00

Dr. Herbert L. Jones, Director

Update school health personnel in latest developments in research in content areas of mental health, consumer health, and environmental health.

Current Issues in Health Education (HLTH 489-K) 3-6 credits

June 23-July 30; daily, 9:00-3:00

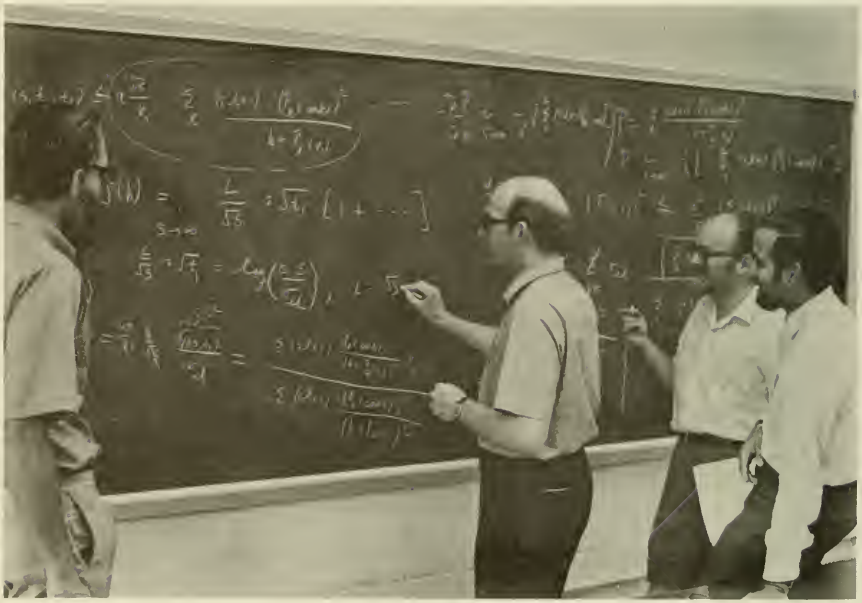
Dr. Dan Leviton and Mrs. Doris Sands, Co-Directors

This course will be set up to include three separate parts. The first ten days will deal with the area of Death Education and Suicide Prevention, the second ten days will receive a concentration in the area of drug education, and the third segment deals with Human Sex and Sex Education; students will be

allowed to enroll in any of the three sections and receive three credits. The maximum for any one student will be six credit hours received by enrolling in two of the three areas.

Motor Learning: Implications for Teaching (HLTH 489-B) 3 credits
July 9-July 21; daily, 12:30-4:00 p.m.
Dr. Joan Hult and Dr. Alice Love, Directors
To "transform" Motor learning research results into practical teaching applications.

Outdoor Education Workshop (RECR 454) 6 credits
June 23-July 30; daily, 9.00-3.00 and arranged
Dr. George Eley, Director
The Outdoor Education Workshop, offered in cooperation with and on behalf of the local and state education authorities, will present the philosophy, activities, materials, and methods recommended for modern outdoor education practice. Course content will involve group discussion and projects, practice sessions both on and off campus, trips, presentations by visiting specialists and preparation and use of visual aids and curricular materials. Activity areas will range through the sciences and outdoor recreational skills. At least one week will be spent in a camp setting. Laboratory and field trip fees will be in addition to regular credit hour fees. Students in the College of Education who plan to apply this credit toward a degree program should obtain the authorization of their advisers.



COURSE OFFERINGS

Unless otherwise noted, classes which meet daily run for six weeks, June 23-July 30, and classes which meet on the M.T.Th.F. schedule run for eight weeks, June 24-August 13.

An "S" before a course number denotes that the course is offered in the summer session only. An "S" after a course number indicates a regular course modified for offering during the summer session. A more complete course description may be found in the respective college catalogues.

The University may find it necessary to cancel courses due to low enrollment. In general, freshman and sophomore courses will not be held for classes smaller than 20. Minimum enrollments for upper level undergraduate courses and graduate courses will be 15 and 10 respectively.

THE UNIVERSITY HAS ADOPTED A NEW COURSE NUMBERING SYSTEM WHICH GOES INTO EFFECT WITH THE SUMMER SCHOOL OF 1971. COURSES IN THIS CATALOGUE ARE LISTED BY THE NEW NUMBERS. HOWEVER, FOR THE CONVENIENCE OF THOSE WHO HAVE BEEN USING THEM, THE OLD NUMBERS HAVE BEEN PLACED BETWEEN SLASHES AFTER THE TITLE OF THE COURSE.

Example:

AGEC 699. Special Problems in Agricultural Economics (1-2 var cr) /301/
0101 Arranged ARR Staff

In the above example ARR refers to the fact that the room number and the building are to be arranged. Staff means that the faculty will be provided from the departmental staff.

COLLEGE OF AGRICULTURE

AGRICULTURAL ECONOMICS

AGEC 399
Special Problems (1-2 Var Cr) /198/
(Not for graduate credit)
0101 Arranged — Staff

AGEC 699
Special Problems in Agricultural Economics (1-2 Var Cr) /301/
0101 Arranged — Staff

AGEC 799
Master's Thesis Research (1-6 Var Cr) /399/
0101 Arranged — Staff

AGEC 899
Doctoral Thesis Research (1-6 Var Cr) /499/
0101 Arranged — Staff

AGRICULTURAL ENGINEERING

AGEN 489
Senior Problem (02) /189/
(Approval of Department)
0101 Arranged — Staff

AGEN 499
Special Problems in Farm Mechanics (1-3 Var Cr) /198/
Approval of Department. Not acceptable for AGEN Majors. Problems assigned in proportion to amount of credit.
0101 Arranged — Staff

AGEN 699
Special Problems in Agricultural and Aquacultural Engineering (1-6 Var Cr) /301/
0101 Arranged — Staff

AGEN 799
Master's Thesis Research (1-6 Var Cr) /399/
0101 Arranged — Staff

AGEN 899
Doctoral Thesis Research (1-6 Var Cr) /499/
0101 Arranged — Staff

AGRONOMY

AGRO 499
Special Problems in Agronomy (1-3 Var Cr) /198/
(Prerequisites Agro 202, 406, 407, or permission of instructor)
0101 Arranged — Staff

AGRO 608
Research Methods (02) /208/
(Prerequisite—Approval of Staff)
0101 Arranged — Staff

AGRO 799
Master's Thesis Research (1-6 Var Cr) /399/
0101 Arranged — Staff

AGRO 899
Doctoral Thesis Research (1-6 Var Cr) /499/
0101 Arranged — Staff

ANIMAL SCIENCE

ANSC 399
Special Problems in Animal Science (1-2 Var Cr) /198/
(Prerequisite—Approval of Staff)
0101 Arranged — Staff

ANSC 660
Poultry Literature (1-4 Var Cr) /262/
0101 Arranged — Staff

ANSC 663
Poultry Nutrition Laboratory (02) /263/
0101. Arranged — Creek

ANSC 699
Special Problems in Animal Science (1-2 Var Cr) /301/
Prerequisite—Approval of staff. Work assigned in proportion to amount of credit.
0101 Arranged — Staff

ANSC 799
Master's Thesis Research (1-6 Var Cr) /399/
0101 Arranged Staff

ANSC 899
Doctoral Thesis Research (1-6 Var Cr) /499/
0101 Arranged Staff

BOTANY

BOTN 100
General Botany (04) /001/
0101 MTuThF 8/MTuThF 9:30-10:30 E 001 E 244 Harrison
0102 MTuThF 8/MTuThF 11:00-12:30 E 001 E 244 Staff
0103 MTuThF 8/MTuThF 12:30- 2:30 E 001 E 247 Staff

BOTN 301
Plants and Mankind (02) /136/
Prerequisite—Botn 100 or equivalent. Only to participants in NSF Institute
0101 MTuThF 1-3 E 211 Rappleye

BOTN 389
Tutorial Readings in Botany (Honors Course) (2-3 Var Cr) /195/
(See College of Agriculture Bulletin for details)
0101 W9-4 E 001 Menefee

BOTN 398
National Science Foundation Institute Seminar—Summer Institute For Biology Teachers (02) /199S/
Open only to participants in the NSF Institute For Biology Teachers. Two or three hour sessions or all day field trips.
0101 W9-5 E 001 Menefee, Staff

BOTN 399
Research Problems in Botany (Honors Course) (2-3 Var Cr) /196/
Prerequisite—Botn 389S. See College of Agriculture Bulletin for details.
0101 Arranged Staff

BOTN 407
Teaching Methods in Botany (02) /151S/
Prerequisite—Botn 100 or Equivalent. Open only to participants in the NSF Institute.
0101 MTuThF 1-2.50 E 341 Menefee

BOTN 411
Plant Anatomy (03) /111/
0101 TuTh 9.30/MTuThF 10.30-12.10 E 211 E 211 Rappleye

BOTN 441
Plant Physiology (04) /101/
Prerequisites—Botn 100 and General Chemistry or their equivalents. Open only to participants in the NSF Institute.
0101 MTuThF 8/MTuThF 9-1.50 E 201 E 341 Lockard

BOTN 477
Marine Plant Biology (04) /171/
Prerequisite—Botn 100 or General Biology, Organic Chemistry or the Consent of the Instructor. To be offered at the Chesapeake Bay Laboratory, Solomons, Md. Enrollment limited to 15 students.
0101 Arranged Krauss, Staff

BOTN 497
Special Problems in Marine Research (1-3 Var Cr) /172/
0101 Arranged Krauss, Staff

BOTN 699
Special Problems in Botany—Marine Botany (1-3 Var Cr) /301/
0101 Arranged Krauss, Staff

BOTN 799
Master's Thesis Research (1-6 Var Cr) /399/
0101 Arranged Staff

BOTN 899
Doctoral Thesis Research (1-6 Var Cr) /499/
0101 Arranged Staff

ENTOMOLOGY

ENTM 100
Insects (03) /005.
0101 MTuThF 9.30 O 120 Staff

ENTM 399
Special Problems (1-3 Var Cr) /198/
(Credit and prerequisites determined by the Department)
0101 Arranged Staff

ENTM 407
Entomology For Science Teachers (04) /121S/
(Open only to participants in the NSF Institute)
0101 MTuThF 8/MTuThF 9 O 120 O 200 Messersmith

ENTM 699
Advanced Entomology (1-6 Var Cr) /301/
(Credit and prerequisites determined by the Department)
0101 Arranged Staff

ENTM 799
Master's Thesis Research (1-6 Var Cr) /399/
0101 Arranged Staff

ENTM 899
Doctoral Thesis Research (1-6 Var Cr) /499/
0101 Arranged Staff

FOOD SCIENCE

FDSC 399
Special Problems in Food Science (1-3 Var Cr) /198/
(Prerequisite—Approval of Staff)
0101 Arranged Staff

FDSC 699
Special Problems in Food Science (1-4 Var Cr) /301/
Credit according to time scheduled and magnitude of problem.
Prerequisite—Chem 461 and Permission of Faculty.
0101 Arranged Staff

FDSC 799
Master's Thesis Research (1-6 Var Cr) /399/
0101 Arranged Staff

FDSC 899
Doctoral Thesis Research (1-6 Var Cr) /499/
0101 Arranged Staff

GEOLOGY

GEOL 100
Geology (03) /001/
0101 MTuThF 9.30 E 053 Seigrist
0201 MTuThF 11 E 053 Seigrist

HORTICULTURE

HORT 399
Special Problems (2-4 Var Cr) /198/
(For students majoring in Horticulture or Botany)
0101 Arranged Staff

HORT 699
Special Problems in Horticulture (1-3 Var Cr) /301/
(Limited to Horticultural Majors)
0101 Arranged Staff

HORT 799
Master's Thesis Research (1-6 Var Cr) /399/
0101 Arranged Staff

HORT 899
Doctoral Thesis Research (1-6 Var Cr) /499/
0101 Arranged Staff

RURAL EDUCATION

RLED 325
Directed Experience in Extension Education (1-5 Var Cr) /121/
(Satisfactory academic average and permission of Instructor)
0101 Arranged Ryden

RLED 487
Conservation of National Resources (03) /170/
Travel fee $17.50 in addition to the regular credit hour fees. Taken concurrently with RLED 497. Meets daily.
0101 Arranged E 153 Staff

RLED 497
Conservation of Natural Resources (03) /171/
Travel fee $17.50 in addition to the regular credit hour fees. Taken concurrently with RLED 487. Meets daily.
0101 Arranged E 153 Staff

RLED 488
Critique in Rural Education (01) /180/
(Approval of Staff)
0101 Arranged Staff

RLED 489
Critique in Rural Education (01) /180/
(Approval of Staff)
0101 Arranged Staff

RLED 499
Special Problems (1-3 Var Cr) /198/
(Approval of Staff)
0101 Arranged Staff

RLED 626
Program Development in Extension Education (02) /225/
(Prerequisite — RLED 422 or equivalent)
0101 Arranged Ryden

RLED 689
Special Topics in Rural Education (02) /207/
(Permission of instructor)
0101 Arranged Nelson

RLED 699
Special Problems (1-3 Var Cr) /301/
(Prerequisite—Approval of Staff)
0101 Arranged Staff

RLED 789
Special Topics in Rural Education (02) /208/
(Permission of Instructor)
0101 Arranged Staff

RLED 799
Master's Thesis Research (1-6 Var Cr) /399/
0101 Arranged Staff

RLED 899
Doctoral Thesis Research (1-6 Var Cr) /499/
0101 Arranged Staff

COLLEGE OF ARTS AND SCIENCES

AMERICAN STUDIES

AMST 437
Readings in American Studies (03) /138/
0101 MTuThF 9.30 A 050 Beall

AMST 628
Seminar in American Studies (03) /201/
0101 MTh 7 A 050 Beall

AMST 639
Reading Course in Selected Aspects of American Civilization I (03) /255/
0101 Arranged Staff

AMST 799
Master's Thesis Research (1-6 Var Cr) /399/
0101 Arranged Staff

AMST 899
Doctoral Thesis Research (1-6 Var Cr) /499/
0101 Arranged Staff

ANTHROPOLOGY

ANTH 101
Introduction to Anthropology—Archaeology and Physical Anthropology (03) /001/

0101	MTuThF 9.30	C 079	Anderson
0201	MTuThF 11	AA 009	Rosen

ANTH 271
Language and Culture (03) /071/

0101	MTuThF 9.30	C 090	Fidelholtz

ANTH 391A
Research Problems—Primate Anatomy (03) /191/

0101	Arranged		Rosen

ANTH 401
Cultural Anthropology—Principles and Processes (03) /101/

0101	MTuThF 9.30	C 098	Hoffman

ANTH 436
Primitive Technology and Economy (03) /136/

0101	MTuThF 12.30	T 010	Anderson

ANTH 471
Introduction to Linguistics (03) /171/

0101	MTuThF 12.30	T 103	Fidelholtz

ANTH 494
Field Methods in Archaeology (06) /194/
(June 23 to August 30—Daily 8-5)

0101	Arranged		Thurman

ANTH 687
Current Developments in Anthropology—Ethnohistory of North America (03) /287B/

0101	MTuThF 11	TH 111	Hoffman

ANTH 691
Special Problems in Anthropology—Primate Anatomy (03) /291/

0101	Arranged		Rosen

ANTH 694
Advanced Field Training in Archaeology (06) /294/
(June 23 to August 30—Daily 8-5)

0101	Arranged		Thurman

ART EDUCATION

ARTE 100
Fundamentals of Art Education (03) /040/

0101	MTuThF 8.00	NN 330	Lembach
0201	MTuThF 9.30	NN 330	Lembach
0301	MTuThF 8.00	NN 328	McWhinnie
0401	MTuThF 9.30	NN 328	Longley
0501	MTuThF 11	NN 328	McWhinnie

ART HISTORY

ARTH 260
History of Art (03) /060/
0101 MTuThF 9.30 NN 214 Denny

ARTH 261
History of Art (03) /061/
0101 MTuThF 11 NN 214 Jordan

ARTH 413
Medieval Art (03) /167/
0101 MTuThF 11 NN 320 Denny

ARTH 476
History of American Art (03) /158/
0101 MTuThF 9.30 NN 320 Jordan

ARTH 498
Directed Studies in Art History (2-3 Var Cr) /194, 195/
0101 Arranged Staff

ARTH 698
Directed Graduate Studies in Art History (03) /294/
0101 Arranged Staff

ARTH 798
Directed Graduate Study in Art History (03) /295/
0101 Arranged Staff

ARTH 799
Master's Thesis Research (1-6 Var Cr) /399/
0101 Arranged Staff

ARTH 899 Cr) /499/
Doctoral Thesis Research (1-6 Var Staff
0101 Arranged

ART

ARTS 100
Design I (03) /012/
0101 MTuWThF 8-10 HH 012 Kahn
0201 MTuWThF 10-12 HH 012 Green

ARTS 110
Drawing I (03) /016/
0101 MTuWThF 10-12 NN 232 Green
0201 MTuWThF 1-3 NN 332 Gelman
0301 MTuWThF 8-10 NN 230 Kahn

ARTS 200
Design II (03)
0101 MTuWThF 10-12 HH 022 Kahn

ARTS 210
Drawing II (03) /026/
0101 MTuWThF 10-12 NN 232 Isen

ARTS 220
Painting I (03) /017/
0101 MTuWThF 10-12 NN 232 Klank
0201 MTuWThF 1-3 NN 232 Dillinger
0301 MTuWThF 10-12 NN 230 Gelman

ARTS 224
Painting II (03) /117/
0101 MTuWThF 10-12 NN 224 Dillinger
0201 MTuWThF 10-12 NN 332 Niese

ARTS 230A
Sculpture I (03)
0101 MTuWThF 10-12 NN 139 Reid
0201 MTuThF 1-3 NN 139 Reid

ARTS 230B
Sculpture I—Exploration in 3 Dimensional Composition (03)
0101 MTuWThF 1-3 NN 137 Freeny

ARTS 240
Printmaking I (03) /119/
0101 MTuWThF 10-12 FF 025 Forbes
0201 MTuWThF 1-3 FF 025 Isen

ARTS 310
Drawing III (03) /126/
0101 MTuWThF 10-12 NN 224 Jamieson

ARTS 320
Painting III (03) /127/
0101 MTuWThF 10-12 NN 332 Niese
0201 MTuWThF 1-3 NN 224 Jamieson

ARTS 330
Sculpture II (03) /128B/
0101 MTuWThF 10-12 NN 137 Freeny

ARTS 331
Sculpture III (03) /138/
0101 MTuWThF 10-12 NN 137 Freeny

ARTS 340
Printmaking II (03) /129/
0101 MTuWThF 1-3 FF 022 Forbes

ARTS 440
Printmaking III (03) /139/
0101 MTuWThF 1-3 FF 022 Forbes

ARTS 498
Directed Studies in Studio Art (2-3 Var Cr) /192, 193/
0101 Arranged Staff

ARTS 698
Directed Graduate Studies in Studio Art (03) /292/
0101 Arranged Staff

ARTS 798
Directed Graduate Studies in Studio Art (03) /293, 295/
0101 Arranged Staff

ASTRONOMY

ASTR 100
Introduction to Astronomy (03) /001/
(Meets June 24 to July 31)
0101 MTuW 7.30-9/Th 7.30-9.30 P.M. Z 171 Z 171 Staff

ASTR 399
Honors Seminar (Cr Arr) /190/
Enrollment is limited to students admitted to the honors program in Astronomy. Credit according to work assigned.
0101 Arranged Staff

ASTR 411
Observational Astronomy (03) /110/
0101 Arranged A'Hearn, Erickson

ASTR 498
Special Problems in Astronomy (Cr Arr) /150/
Prerequisite—Major in Phys or Astr and/or consent of advisor.
Research or special study. Credit according to work accomplished.
0101 Arranged Staff

ASTR 498A
Special Problems in Astronomy—NSF Institute (06) /150A/
0101 Arranged Gardner

ASTR 699
Special Problems in Advanced Astronomy (1-6 Var Cr) /250/
(Credit according to work assigned)
0101 Arranged Staff

ASTR 799
Master's Thesis Research (1-6 Var Cr) /399/
0101 Arranged Staff

ASTR 899
Doctoral Thesis Research (1-6 Var Cr) /499/
0101 Arranged Staff

BIOLOGY

BIOL 101
Organization and Interrelationships in the Biological World (03) /001/
0101 MTuThF 11-12.20 E 001 Motta

CHEMISTRY

CHEM 102
Chemistry of Man's Environment (04) /007/
0101 MTuThF 9.30-10.50/MTh 1-4 C 130 C 179 Staff
0102 MTuThF 9.30-10.50/MTh 1-4 C 130 C 180 Staff
0103 MTuThF 9.30-10.50/TuF 1-4 C 130 C 179 Staff

CHEM 103
College Chemistry I (04) /008/
0101 MTuThF 11-12.20/TuF 1/MTh 1-4 C 132 C 186 C 079 Staff
0102 MTuThF 11-12.20/TuF 1/MTh 1-4 C 132 C 189 C 215 Staff
0103 MTuThF 11-12.20/TuF 1/MTh 1-4 C 132 C 192 C 076 Staff

CHEM 104
College Chemistry II (04) /009/
0101 MTuThF 11-12.20/TuF 1/MTh 1-4 C 130 C 117 C 080 Staff
0102 MTuThF 11-12.20/TuF 1/MTh 1-4 C 130 C 118 C 081 Staff
0103 MTuThF 11-12.20/TuF 1/MTh 1-4 C 130 C 119 C 093 Staff

CHEM 219
Elements of Quanitative Analysis (04) /019/
Prerequisite—Chem 003. Four lectures and four three-hour laboratory periods per week.
0101 MTuThF 12.30/MTuTh 8 C 132 C 306 Stuntz

CHEM 237
Elementary Organic Chemistry (02) /037/
Prerequisite—Chem 104, 106, and/or the old 035.
Four lectures per week.
0101 MTuThF 12:30 Z 140 Staff

CHEM 238
Elementary Organic Laboratory (02) /038/
Prerequisite—Chem 104, 106, old 036, or old 040.
Four three-four laboratory periods per week.
0101 MTuThF 8-11 C 186 Staff

CHEM 461
Biochemistry I (03) /161/
0101 MTuThF 9.30-10.50 C 134 Staff

CHEM 475
Oceanography (03)
0101 MTuThF 11-12.20 C 134 Sommer

CHEM 799
Master's Thesis Research (1-6 Var Cr) /399/
0101 Arranged Staff

CHEM 899
Doctoral Thesis Research (1-6 Var Cr) /499/
0101 Arranged Staff

CHINESE

CHIN 101
Elementary Chinese (03) /001/
June 23-July 16. Register for Chin101 and/or Chin 102 on June 21 or 23 as separate courses. This course meets three times daily—first lecture 8-9—drill 9.30-10.20—second lecture 11-12. A student enrolled in Chin 102 and/or 101 may not take any other course in the Summer Session.
0101 MTuWThF 8-12 G 307 Loh

CHIN 102
Elementary Chinese (03) /002/
July 19-August 13. Register for Chin 102 and/or 101 on June 21 or 22 as separate courses. This course meets three times daily —first lecture 8-9—drill 9.30-10.20—second lecture 11-12. A student enrolled in Chin 102 and/or 101 may not take any other course in the Summer Session.
0101 MTuWThF 8-12 G 307 Loh

COMPARATIVE LITERATURE

CMLT 401
Introductory Survey of Comparative Literature (03) /101/
(Prerequisite—Engl 202 or equivalent)
0101 MTuThF 12.30 Greenwood

CMLT 479
Major Contemporary Authors (03) /145/
(Prerequisite—Engl 202 or equivalent)
0101 MTuThF 11 A 050 Salamanca

CMLT 799
Master's Thesis Research (1-6 Var Cr) /399/
0101 Arranged Staff

CMLT 899
Doctoral Thesis Research (1-6 Var Cr) /499/
0101 Arranged Staff

COMPUTER SCIENCE

CMSC 103
Introductory Algorithmic Methods (03) /012/
(Prerequisite—Math 111 or equivalent)
0101 MWF 11/TuTh 8 MM 204 MM 216 Staff
(8 weeks)

CMSC 110
Elementary Algorithmic Analysis (03) /020/
(Prerequisite—Math 141 or equivalent or concurrent registration)
0201 MWF 8/TuTh 8 MM 204 MM 216 Staff
(8 weeks)

CMSC 210
Language and Structure of Computers (03) /100/
(Prerequisite—CMSC 110 or equivalent)
0101 MWF 9.30/TuTh 9.30 MM 204 MM 216 Staff
(8 weeks)

CMSC 340
Introduction to Discrete Structures (03) /102/
(Prerequsite—CMSC 110 or equivalent. Cross listed with ENEE 450)
0101 MTuThF 11 MM 236 Staff

CMSC 410
Computer Organization (03) /160/
(Prerequisite—CMSC 210 or equivalent)
0101 MTuThF 12.30 MM 241 Staff

CMSC 420
Data and Storage Structures (03) /150/
0101 MTuThF 11 MM 207 Staff

CMSC 440
Structure of Programming Languages (03) /140/
0101 MTuThF 9.30 MM 241 Staff

CMSC 498A
Special Problems in Computer Science (1-3 Var Cr) /190A/
0101 Arranged Staff

CMSC 799
Master's Thesis Research {1-6 Var Cr) /399/
0101 Arranged Staff

CMSC 818
Advanced Topics in Computer Science (03) /290A/
0101 Arranged Staff

CMSC 899
Doctoral Thesis Research (1-6 Var Cr) /499/
0101 Arranged Staff

DANCE

DANC 200
Introduction to Dance (03) /032/
0101 MTuWThF 11 EE 008 Staff

DANC 100
Dance Techniques (02 /052/
0101 MTuWThF 9.30 EE 015 Staff

DRAMATIC ART

DART 110
Introduction to the Theater (03) /016/
0101 MTuThF 9.30 NN 055 Pugliese

DART 120
Acting (03) /008/
0101 MTuThF 8.00 NN 055 Zelenka

DART 170
Stagecraft (03) /014/
0101 MTuThF 9.30 NN 057 Mosbo

DART 311
Play Production (03) /113/
(Prerequisite—Dart 110 or Consent of Instructor)
0101 MTuThF 8.00 FF 024 Vaughan

DART 479
Theater Workshop (03 /139/
(Prerequisite—Dart 120 or 170)
0101 Arranged McClure

DART 698
Seminar Studies in Theatre (03) /270/
0101 MTuThF 8.00 NN 122 Meersman

ENGLISH

ENGL 101
Composition (03) /001/

0101	MTuThF 8.00	RR	017	Staff
0201	MTuThTF 8.00	RR	015	Staff
0301	MTuThF 9.30	Y	001	Staff
0501	MTuThF 11:00	T	203	Staff
0601	MTuThF 12.30	Q	133	Staff

ENGL 201
World Literature (03) /003/

0101	MTuThF 8.00	A	049	Staff
0201	MTuThF 9.30	A	049	Staff
0301	MTuThF 9.30	Y	002	Staff
0401	MTuThF 11.00	A	049	Staff
0501	MTuThF 12.30	RR	115	Staff

ENGL 202
World Literature (03) /004/

0101	MTuThF 8.00	A	048	Staff
0201	MTuThF 9.30	Y	004	Staff
0301	MTuThF 11.00	A	048	Staff
0401	MTuThF 11.00	A	159	Staff
0501	MTuThF 12.30	RR	021	Staff

ENGL 221
American Literature—Beginning to 1865 (03) /057/

0101	MTuThF 12.30	A	049	Martin

ENGL 222
American Literature—1865 to Present (03) /058/

0101	MTuThF 8.00	RR	022	Weigant
0201	MTuThF 9.30	A	161	Hiatt
0301	MTuThF 11.00	A	258	Potash

ENGL 402
Chaucer (03) /104/

0101	MTuThF 9.30	RR	003	Rutherford
0201	MTuThF 9.30	A	048	Steinberg

ENGL 405
Major Works of Shakespeare (03) /117/

0101	MTuThF 11.00	A	043	Smith
0201	MTuThF 12.30	RR	020	Barry

ENGL 414
Milton (03) /121/

0101	MTuThF 8.00	RR	003	Wilson

ENGL 416
Literature of the Eighteenth Century (03) /125/

0101	MTuThF 11.00	RR	007	Tyson

ENGL 419
Major British Writers (03) /142/

0101	MTuThF 9.30	A	258	Staff

ENGL 424
Late Victorian and Edwardian Literature (03) /136/

0101	MTuThF 9.30	A	174	Cate

ENGL 430
American Literature, Beginning to 1810, the Colonial and Federal Periods (03) /180/

0101	MTuThF 11.00	RR	22	Vitzthum

ENGL 431
American Literature, 1810 to 1865, the American Renaissance (03) /181/

0101	MTuThF 9.30	A	159	Gravely

ENGL 433
American Literature, 1914 to the Present, the Modern Period (03) /183/

0101	MTuThF 12.30	A	159	Dunn
0201	MTuThF 11.00	A	161	Moore

ENGL 434
American Drama (03) /146/
0101 MTuThF 12.30 RR 007 Bryer

ENGL 435
American Poetry—Beginning to the Present (03) /147/
MTuThF 9.30 RR 5 Vanegmond

ENGL 454
Modern Drama (03) /144/
0101 MTuThF 9.30 RR 7 Kimble

ENGL 455
The English Novel (03) /139/
0101 MTuThF 11.00 T 102 Ward

ENGL 457
The Modern Novel (03) /145/
0101 MTuThF 12.30 RR 005 Kleine

ENGL 460
Introduction to Folklore (03) /157/
0101 MTuThF 11.00 RR 005 Fry

ENGL 481
Introduction to English Grammar (03) /008/
0101 MTuThF 8.00 RR 021 James

ENGL 482
History of English Language (03) /101/
0101 MTuThF 11.00 RR 003 Herman

ENGL 498
Creative Writing (03) /170/
0101 MTuThF 9.30 RR 020 Jellema

ENGL 601
Bibliography and Methods (03) /201/
0101 MW 4-6 RR 015 Cooper
0201 MW 7-9 RR 017 Spurgeon

ENGL 623
Special Studies in English Literature—18th Century Literature (03) /263/
0101 TuF 1-3 RR 022 Alkon

ENGL 627
Special Studies in American Literature—American Literature Since 1865 (03) /267/
0101 TuTh 7-9 RR 017 Lawson

ENGL 719
Seminar in Renaissance Literature (03) /206/
0101 MTh 4-6 A 240 Zeeveld
0201 MTh 7-9 RR 007 Houppert

ENGL 728
Seminar in Seventeenth Century Literature (03) /211/
0101 TuF 1.30-3.30 A 028 Mish

ENGL 729
Seminar in Eighteenth Century Literature (03) /212/
0101 TuF 1.30-3.30 A 2.40 Myers

ENGL 738
Seminar in Nineteenth Century Literature (03) /214/
0101 MTh 7-9 A 028 Kinnaird

ENGL 748
Seminar in American Literature (03) /226/
0101 MTh 4-6 A 028 Hovey
0201 MTh 7-9 A 240 Lutwack

ENGL 749
Studies in Twentieth Century Literature (03) /241/
0101 TuF 1.30-3.30 A 028 Bode
0201 MTh 1-3 RR 019 Russell

ENGL 799
Master's Thesis Research (1-6 Var Cr) /399/
0101 Arranged Staff

ENGL 899
Doctoral Thesis Research (1-6 Var Cr) /499/
0101 Arranged Staff

FRENCH

FREN 001
Elementary French for Graduate Students (Audit) /000/
(This course is billed for three credit hours)
0101 MTuThF 8-9.20 LL 012 Staff

FREN 101
Elementary French (03) /001/
June 23-July 16. Register for Fren 101 and/or 102 on June 21-22 as separate courses. This course meets four hours MTuThF. Lectures 9, 10 and 12 plus one drill at 8 or 11. A student enrolled in French 101 and/or 102 may not take any other course in the Summer Session.
0101 MTuThF 8-1 LL 001 Staff
0201 MTuThF 8-1 LL 013 Staff

FREN 102
Elementary French (03) /002/
July 19-August 13. Register for Fren 102 and/or 101 on June 21-22 as separate courses. This course meets four hours MTuThF. Lectures 9, 10 and 12 plus one drill at 8 or 11. A student enrolled in French 101 and/or 102 may not take any other course in the Summer Session.
0101 MTuThF 8-1 LL 001 Staff
0201 MTuThF 8-1 LL 013 Staff

FREN 111
Intermediate French (03) /006/
June 23-July 16. Register for Fren 111 and/or 112 on June 21-22 as separate courses. A student enrolled in Fren 111 and/or 112 may not take any other course in the Summer Session.
0101 MTuThF 8-10/MTuThF 11 LL 220 LL 220 Staff

FREN 112
Intermediate French (03) /007/
July 19- August 13. Register for Fren 112 and/or 111 on June 21-22 as separate courses. A student enrolled in Fren 112 and/or 111 may not take any other course in the Summer Session.
0101 MTuThF 8-10/MTuThF 11 LL 220 LL 220 Staff

FREN 312
Advanced Conversation (03) /081/
0101 MTuThF 9.30 LL 012 Staff

FREN 401
Advanced Composition (03) /103/
0101 MTuWTh 7-8.20 P.M. RR 005 Staff

FREN 405
Explication De Textes (03) /104/
0101 MTuThF 8.30-9.50 P.M. LL 101 Staff

FREN 461
Studies in 20th Century Literature—The Early Years (03) /143/
0101 MTuThF 11-12.20 LL 101 Demaitre

FREN 665
The Contemporary French Theater—The Theater of The Absurd (03) /243/
0101 TuF 1-3 LL 101 Demaitre

GERMAN

GERM 001
Elementary German for Graduate Students (Audit) /000/
(This course is billed for three credit hours)
0101 MTuWThF8.00 Y 833 Schmelssner

GERM 101
Elementary German (03) /001/
June 24-July 17. Register for Germ 101 and/or 102 on June 21-22 as separate courses. This course meets three times daily. A student enrolled in Germ 101 and/or 102 may not take any other course in the Summer Session. Lectures 9 and 10. Drill at 8.
0101 MTuWThF 8-11 Y 002 Logan

GERM 102
Elementary German (03) /002/
July 20-Aug. 14. Register for Germ 102 and/or Germ 101 on June 21 or 22 as separate courses. This course meets three times daily. A student enrolled in Germ 101 and/or 102 may not take any other course in the Summer Session.
0101 MTuWThF 8-11 Y 002 Thielke

GERM 201
Intermediate Literary German (03) /006/
(Germ 201 may be taken concurrently with Germ 202)

0101	MTuWThF 9.30	RR	011	Fleck

GERM 202
Intermediate Literary German (03) /007/
(Germ 202 may not be taken concurrently with Germ 201)

0101	MTuWThF 8	F	117	Fleck

GERM 403
Advanced Composition (03) /103/

0101	MTuWThF 8	F	111	Best

GERM 432
German Literature of the Nineteenth Century (03) /132/

0101	MTuWThF 10-11.20	Y	005	Best

GERM 799
Master's Thesis Research (1-6 Var Cr) /399/

0101	Arranged	Staff

GERM 899
Doctoral Thesis Research (1-6 Var Cr) /499/

0101	Arranged	Staff

HISTORY

HIST 221
History of the United States to 1865 (03) /021/

0101	MTuThF 8	RR	024	Bradbury
0201	MTuThF 9.30	RR	113	Hoffman
0301	MTuThF 11	AR	014	Nicklason
0401	MW 7-9.50	RR	115	Campbell

HIST 222
History of the United States Since 1865 (03) /022/

0101	MTuThF 8	RR	023	Thompson
0201	MTuThF 9.30	AR	011	Flack
0301	MTuThF 11	F	114	Ridgeway
0401	TuTh 7-9.50 PM	RR	115	Campbell

HIST 223
Social and Cultural History of Early American (03) /023/

0101	MTuThF 9.30	RR	023	Ridgeway

HIST 224
Social and Cultural History of Modern America (03) /024/

0101	MTuThF 11	RR	023	Flack

HIST 225
The United States in World Affairs (03) /029/

0101	MTuThF 11	RR	024	Hoffman

HIST 231
Latin American History (03) /031/

0101	MTuThF 8.00	RR	020	Warren

HIST 241
Western Civilization (03) /041/

0101	MTuThF 9.30	RR	024	Staff
0201	MTuThF 11	RR	113	Staff

HIST 242
Western Civilization (03) /042/

0101	MTuThF 9.30	F	114	Harris
0201	MTuThF 11	AR	011	Harris

HIST 253
History of England and Great Britain (03) /053/

0101	MTuThF 9.30	RR	115	Robertson

HIST 254
History of England and Great Britain (03) /054/

0101	MTuThF 9.30	G	1098	Staff

HIST 272
Islamic Civilization (03) /072/

0101	MTuThF 9.30	H	309	Stowasser

HIST 399
Proseminar in Historical Writing (03) /199/

0101	Arranged			Belz
0102	Arranged			Staff

HIUS 403
The Formative Period in America, 1789-1824 (03) /103/

0101	MTuThF 9.30	AR	023	Bradbury

HIUS 413
The Progressive Period—The United States, 1896-1919 (03) /118/

0101	MTuThF 9.30	AR	014	Thompson

AASP 410
The Negro in American Life (03) /117/

0101	MTuThF 11	RR	115	Staff

HIUS 427
Constitutional History of the United States (03) /135/

0101	MTuThF 11	RR	020	Belz

HIFN 406
The History of Mexico and the Caribbean to 1810 (03) /111/

0101	MTuThF 9.30	RR	022	Warren

HIFN 422
History of the British Empire (03) /164/

0101	MTuThF 9.30	RR	021	Gordon

HIFN 431
Europe in the World Setting of the Twentieth Century (03) /172/

0101	MTuThF 11	RR	021	Harris

HIFN 452
The Middle East (03)

0101	MTuThF 11	AR	023	Stowasser

HIST 600
Historiography—Techniques of Historical Research and Writing (03) /200/

0101	Arranged			Robertson

HIUS 729
Readings in Reconstruction and the New Nation (03) /217/
0101 Arranged Staff

HIUS 738
Readings in Recent American History (03) /223/
0101 Arranged Staff

HIFN 748
Readings in the History of Great Britain and the British Empire—Commonwealth (03) /263/
0101 Arranged Gordon

HIST 799
Master's Thesis Research (1-6 Var Cr) /399/
0101 Arranged Staff

HIST 899
Doctoral Thesis Research (1-6 Var Cr) /499/
0101 Arranged Staff

ITALIAN

ITAL 101
Elementary Italian (03) /001/
June 23-July 16. Register for Ital 101 and/or Ital 102 on June 21-22 as separate courses. This course meets four hours MTuThF—Lectures 9, 10, 12, plus one drill 8 or 11. A student enrolled in Ital 101 and/or 102 may not take any other course in the Summer Session.
0101 MTuThF 8-1 LL 003 Staff

ITAL 102
Elementary Italian (03) /002/
July 19-Aug. 13. Register for Ital 102 and/or 101 on June 21-22 as separate courses. This course meets four hours MTuThF—Lectures 9, 10, 12, plus one drill 8 or 11. A student enrolled in Ital 101 and/or 102 may not take any other course in the Summer Session.
0101 MTuThF 8-1 LL 003 Staff

LATIN

LATN 402
Tacitus (03) /102/
0101 MTuThF 9.30 T 102 Avery

MATHEMATICS

MATH 105
Fundamentals of Mathematics (04) /003/
Prerequisite—Satisfactory performance on the SAT Mathematics Test or Math 001.
0101 MTuWThF 8 Y B33 Staff
0201 MTuWThF 8 Y B34 Staff
0301 MTuThF 9.30 Y B33 Staff
0401 MTuWThF 11 Y B33 Staff

MATH 110

Introduction to Mathematics (03) /010/

Prerequisite—2.5 years of College Preparatory Mathematics and satisfying performance on the SAT Mathematics Test, or Math 001. Open to students not majoring in Mathematics or the Physical or Engineering Sciences.

0101	MTuThF 8	Y	B37	Staff
0201	MTuThF 8	Y	B36	Staff
0301	MTuThF 9.30	Y	B41	Staff
0401	MTuThF 9.30	Y	B37	Staff
0501	MTuThF 9.30	Y	B36	Staff
0601	MTuThF 11	Y	040	Staff
0701	MTuThF 11	Y	B37	Staff

MATH 111

Introduction to Mathematics (03) /011/

(Prerequisite—Math 110. Math 111 is a continuation of Math 110)

0101	MTuThF 8	Y	B38	Staff
0201	MTuThF 9.30	Y	B38	Staff
0301	MTuThF 9.30	Y	B43	Staff
0401	MTuThF 11	Y	B36	Staff

MATH 115

Introductory Analysis (03) /018/

Prerequisite—2.5 years of College Preparatory Mathematics and appropriate score on the SAT Mathematics Test, or Math 001. An introductory course for students not qualified to start Math 140.

0101	MTuThF 8	Y	B43	Staff
0201	MTuThF 11	Y	036	Staff
0301	MTuThF 11	Y	026	Staff

MATH 140

Analysis I (04) /019/

Prerequisite—3.5 years of College Preparatory Mathematics or Math 115.

0101	MTuWThF 8	Y	B42	Staff
0201	MTuWThF 8	Y	031	Staff
0301	MTuWThF 11	Y	B41	Staff

MATH 141

Analysis II (04) /020/

(Prerequisite—Math 140 or equivalent)

0101	MTuWThF 8	Y	036	Staff
0201	MTuWThF 9.30	Y	B34	Staff
0301	MTuWThF 9.30	Y	043	Staff
0401	MTuWThF 11	Y	043	Staff
0501	MTuWThF 11	Y	035	Staff

MATH 210

Elements of Mathematics (04) /030/

Prerequisite—One year of College Preparatory Algebra, required for Majors in Elementary Education, and open only to students in this field.

0101	MTuWThF 8	Y	034	Staff
0201	MTuWThF 8	Y	035	Staff
0301	MTuWThF 9.30	Y	035	Staff

MATH 211
Elements of Geometry (04) /031/
(Prerequisite—Math 210 or equivalent)

0101	MTuWThF 9.30	Y	036	Staff
0201	MTuWThF 11	Y	039	Staff
0301	MTuWThF 11	Y	034	Staff

MATH 240
Linear Algebra (04) /021L/
(Prerequisite—Math 141 or equivalent)

0101	MTuWThF 9.30	Y	022	Staff
0201	MTuWThF 9.30	Y	034	Staff
0301	MTuWThF 11	Y	B38	Staff

MATH 241
Analysis III (04) /022/
(Prerequisite—Math 240 or equivalent)

0101	MTuWThF 11	Y	B43	Staff
0201	MTuWThF 11	Y	B40	Staff
0301	MTuWThF 11	Y	022	Staff

MATH 246
Differential Equations for Scientists and Engineers (03) /066/
(Prerequisite—Math 141 or equivalent)

0101	MTuThF 9.30	Y	039	Staff
0201	MTuThF 9.30	Y	038	Staff
0301	MTuThF 11	Y	038	Staff

MATH 398
Honors Seminar (02) /190/
Prerequisite—Permission of Departmental Honors Committee)
June 28-August 6. Classes meet daily.

0101	Arranged	Staff

MATH 400
Vectors and Matrices (03) /100/
Prerequisite—Math 141 or Math 221. Algebra of Vector Spaces and Matrices. Recommended for students interested in the applications of Mathematics. Not open to students with credit in Math 240 or Math 405.

0101	MTuThF 9.30	Y	040	Staff

MATH 403
Introduction to Abstract Algebra (03) /103/
(Prerequisite—Math 241 or equivalent)

0101	MTuThF 9.30	Y	B40	Staff
0201	MTuThF 11	Y	042	Staff

MATH 405
Introduction to Linear Algebra (03) /104/
(Prerequisite—Math 403 or Consent of Instructor)

0101	MTuThF 11	Y	B42	Staff

MATH 410
Advanced Calculus (03) /110/
(Prerequisite—Math 241)

0101	MTuThF 9.30	Y	B42	Staff

MATH 411
Several Real Variables (03) /119/
(Prerequisite—Math 410)

0101	MTuThF 9.30	Y	042	Staff

MATH 432
Introduction to Point Set Topology (03) /122/
(Prerequisite Math 410 or 450 or equivalent)

0101	MTuThF 9.30	Y	020	Staff

MATH 437
Euclidean Geometry (03) /128/
Prerequisite—Math 240 or Consent of Instructor. Recommended for students in the College of Education.

0101	MTuThF 8	Y	039	Staff

MATH 444
Elementary Logic and Algorithms (03) /144/
(Prerequisite Math 240 or Consent of Instructor. This is the same course as CMSC 450)

0101	MTuThF 8	Y	B41	Staff

MATH 450
Fundamental Concepts of Mathematics (03) /146/
(Prerequisite—Math 240 or Consent of Instructor)

0101	MTuThF 8	Y	038	Staff

MATH 463
Analysis for Scientists and Engineers II (03) /163/
Prerequisite—Math 462 or Math 241 or Consent of Instructor. Not open to students with credit for Math 413.

0101	MTuThF 11	Y	B34	Staff

MATH 478
Selected Topic for Teachers of Mathematics (03) /185/
June 28-Aug. 6. Open only to participants in the NSF Institute for Junior High School Teachers in Mathematics.

0101	MTuWThF 8	E	305	Jackson
0201	MTuThF 8	ARR		Good
0301	MTuWThF 8-3.30	MM	230	Henkelman

MATH 481
Introduction to Number Theory (03) /181/
Enrollment Restricted to Elementary Teachers, kindergarten through grade 6. Designed primarily for those enrolled in programs with emphasis in the teaching of Mathematics and Science. Not open to students seeking a major directly in the Physical Sciences.

0101	MTuThF 8	Y	043	Cole
0201	MTuThF 8	Y	040	Staff

MATH 483
Introduction to Geometry (03) /183/
Enrollment restricted to Elementary School Teachers, kindergarten through grade 6. Designed primarily for those enrolled in programs with emphasis in the Teaching of Mathematics and Science. Not open to students seeking a Major directly in the Physical Sciences.

0101	MTuThF 9.30	Y	031	Cole

MATH 488
Seminar—National Science Foundation Summer Institute for Teachers of Science and Mathematics (03) /189/
Open only to participants in the NSF Institute for Junior High School Teachers. Meets June 28-August 6.

0101	MTuWThF 1	Z	441	Fey
0201	MTuWThF 8-3.30	Z	441	Fey

MATH 799
Master's Thesis Research (1-6 Var Cr) /399/
0101 Arranged Staff

MATH 899
Doctoral Thesis Research (1-6 Var Cr) /499/
0101 Arranged Staff

METEOROLOGY

METO 799

Master's Thesis Research (Cr Arr) /399/
0101 Arranged Staff

METO 899
Doctoral Thesis Research (Cr Arr) /499/
0101 Arranged Staff

MICROBIOLOGY

MICB 200
General Microbiology (04) /001/

0101	MTuThF 8/MTuThF 9-11	T	005	T	210		Hetrick
0102	MTuThF 8/MTuThF 9-11	T	005	T	211		Hetrick
0103	MTuThF 8/MTuThF 9-11	T	005	T	212		Hetrick

MICB 290
Applied Microbiology (04) /081/
0101 MTuThF 9/MTuThF 10-12 T 005 T 219 Roberson

MICB 399
Microbiological Problems (03) /181/
Prerequisite—16 Credits in MICB. Six Two-Hour Laboratory Periods a Week. Registration only Upon Consent of the Instructor.
0101 Arranged Staff

MICB 799
Master's Thesis Research (1-6 Var Cr) /399/
0101 Arranged Staff

MICB 899
Doctoral Thesis Research (1-6 Var Cr) /499/
0101 Arranged Staff

MUSIC

MUSC 102
Class Piano (02) /023/
0101 MTuWThF 11 NN 302 DeVermond

MUSC 129Z
Ensemble—University Chorus (01) /009/
0101 W 7-10 NN 205 Traver

MUSC 130
Survey of Music Literature (03) /020/
Open to all students except music and music education majors. May be taken to satisfy the fine arts option in the General Education Program.
0101 MTuWThF 8 NN 205 Payerle
0201 MTuWThF 9.30 NN 205 Mueller

MUSC 155
Fundamentals for the Classroom Teacher (03) /016/
0101 MTuWThF 8 NN 202 Fanos
0201 MTuWThF 9.30 NN 208 Fanos

MUSC 251
Advanced Theory of Music (04) /071/
(Prerequisite—Music 250)
0101 MTuWThF 9.30/MWF 11 NN 001 NN 301 Payerle

MUSC 339
Honors Reading Course (2-3 Var Cr) /125/
(June 21—July 30)
0101 Arranged Bernstein

MUSC 441
Chamber Music (03) /168/
(Prerequisite—Music 330, 331 or Equivalent)
0101 MTuWThF 12.30 NN 210 Serwer

MUSC 448
Special Areas of Music—Music in Society (03) /190/
(Meets June 21—July 9)
0101 MTuWThF 12.30-3.20 NN 202 Staff

MUSC 491
Conducting (02) /161/
Prerequisite—MUSC 490
Meets July 12—July 30
0101 MTuThF 11-1.50 NN 116 Taylor

MUSC 638
Advanced Studies in the History of Music—Baroque
Period (03) /200/
Prerequisites—MUSC 330 and 331 or the Equivalent and
Consent of Instructor.
0101 MTuWThF 9.30 NN 210 Serwer

MUSC 696
Factors in Musical Learning (03) /210/
0101 MTuWThF 8 NN 208 Taylor

MUSC 699
Special Studies in Music (03) /211/
0101 Arranged Heim

MUSC 830
Seminar in Music Literature (03) /301/
0101 Arranged Heim

MUSC 799
Master's Thesis Research (1-6 Var Cr) /399/
0101 Arranged Staff

MUSC 899
Doctoral Thesis Research (1-6 Var Cr) /499/
0101 Arranged Staff

MUSC 099A
Applied Music—Piano (2-4 Var Cr) /999A/
0101 Arranged Staff

MUSC 099B
Applied Music—Voice (2-4 Var Cr) /999B/
0201 Arranged — Staff

MUSC 099C
Applied Music—Violin (2-4 Var Cr) /999C/
0301 Arranged — Staff

MUSC 099D
Applied Music—Viola (2-4 Var Cr) /999D/
0401 Arranged — Staff

MUSC 099E
Applied Music—Cello (2-4 Var Cr) /999E/
0501 Arranged — Staff

MUSC 099F
Applied Music—Bass (2-4 Var Cr) /999F/
0601 Arranged — Staff

MUSC 099G
Applied Music—Flute (2-4 Var Cr) /999G/
0701 Arranged — Staff

MUSC 099I
Applied Music—Clarinet (2-4 Var Cr) /999I/
0901 Arranged — Staff

MUSC 099J
Applied Music—Bassoon (2-4 Var Cr) /999J/
1101 Arranged — Staff

MUSC 099K
Applied Music—Alto Sax (2-4 Var Cr) /999K/
1001 Arranged — Etheridge

MUSC 099L
Applied Music—Horn (2-4 Var Cr) /999L/
1201 Arranged — Staff

MUSC 099M
Applied Music—Trumpet (2-4 Var Cr) /999M/
1301 Arranged — Staff

MUSC 099N
Applied Music—Trombone (2-4 Var Cr) /999N/
1401 Arranged — Staff

MUSC 099O
Applied Music—Tuba (2-4 Var Cr) /999O/
1501 Arranged — Staff

MUSC 099P
Applied Music—Euphonium (2-4 Var Cr) /999P/
1601 Arranged — Staff

MUSC 099R
Applied Music—Organ (2-4 Var Cr) /999R/
1801 Arranged — Staff

MUSC 108A
Applied Music—Piano (02) /012A/
0101 Arranged Staff

MUSC 108B
Applied Music—Voice (02) /102B/
0201 Arranged Staff

MUSC 108C
Applied Music—Violin (02) /012/C
0301 Arranged Staff

MUSC 108D
Applied Music—Viola (02) /012D/
0401 Arranged Staff

MUSC 108E
Applied Music—Cello (02) /013D/
0501 Arranged Staff

MUSC 108F
Applied Music—Bass (02) /012F/
0601 Arranged Staff

MUSC 108G
Applied Music—Flute (02) /012G/
0701 Arranged Staff

MUSC 108I
Applied Music—Clarinet (02) /012I/
0901 Arranged Staff

MUSC 108L
Applied Music—Horn (02) /012L/
1201 Arranged Staff

MUSC 108M
Applied Music—Trumpet (02) /012M/
1301 Arranged Staff

MUSC 108N
Applied Music—Trombone (02) /012N/
1401 Arranged Staff

MUSC 108O
Applied Music—Tuba (02) /012O/
1501 Arranged Staff

MUSC 108P
Applied Music—Euphonium (02) /012P/
1601 Arranged Staff

MUSC 108R
Applied Music—Organ (02) /012R/
1801 Arranged Staff

MUSC 109A
Applied Music—Piano (02) /013A/
0101 Arranged Staff

MUSC 109B
Applied Music—Voice (02) /013B/
0201 Arranged Staff

MUSC 109C
Applied Music—Violin (02) /013C/
0301 Arranged Staff

MUSC 109D
Applied Music—Viola (02) /013D/
0401 Arranged Staff

MUSC 109E
Applied Music—Cello (02) /013E/
0501 Arranged Staff

MUSC 109F
Applied Music—Bass (02) /013F/
0601 Arranged Staff

MUSC 109G
Applied Music—Flute (02) /013G/
0701 Arranged Staff

MUSC 109I
Applied Music—Clarinet (02) /013I/
0901 Arranged Staff

MUSC 109L
Applied Music—Horn (02) /013L/
1201 Arranged Staff

MUSC 109M
Applied Music—Trumpet (02) /013M/
1301 Arranged Staff

MUSC 109N
Applied Music—Trombone (02) /013N/
1401 Arranged Staff

MUSC 109O
Applied Music—Tuba (02) /013O/
1501 Arranged Staff

MUSC 109P
Applied Music—Euphonium (02) /013P/
1601 Arranged Staff

MUSC 109R
Applied Music—Organ (02) /013R/
1801 Arranged Staff

MUSC 208A
Applied Music—Piano (2-4 Var Cr) /052A/
0101 Arranged Staff

MUSC 208B
Applied Music—Voice (2-4 Var Cr) /052/
0201 Arranged Staff

MUSC 208C
Applied Music—Violin (2-4 Var Cr) /052C/
0301 Arranged Staff

MUSC 208D
Applied Music—Viola (2-4 Var Cr) /052D/
0401 Arranged Staff

MUSC 208E
Applied Music—Cello (2-4 Var Cr) /052E/
0501 Arranged Staff

MUSC 208F
Applied Music—Bass (2-4 Var Cr) /052F/
0601 Arranged Staff

MUSC 208G
Applied Music—Flute (2-4 Var Cr) /052G/
0701 Arranged Staff

MUSC 208I
Applied Music—Clarinet (2-4 Var Cr) /052I/
0901 Arranged Staff

MUSC 208L
Applied Music—Horn (2-4 Var Cr) /052L/
1201 Arranged Staff

MUSC 208M
Applied Music—Trumpet (2-4 Var Cr) /052M/
1301 Arranged Staff

MUSC 208N
Applied Music—Trombone (2-4 Var Cr) /052N/
1401 Arranged Staff

MUSC 2080
Applied Music—Tuba (2-4 Var Cr) /052O/
1501 Arranged Staff

MUSC 208P
Applied Music—Euphonium (2-4 Var Cr) /052P/
1601 Arranged Staff

MUSC 208R
Applied Music—Organ (2-4 Var Cr) /052R/
1801 Arranged Staff

MUSC 209A
Applied Music—Piano (2-4 Var Cr) /053A
0101 Arranged Staff

MUSC 209B
Applied Music—Voice (2-4 Var Cr) /053B/
0201 Arranged Staff

MUSC 209C
Applied Music—Violin (2-4 Var Cr) /053C/
0301 Arranged Staff

MUSC 209D
Applied Music—Viola (2-4 Var Cr) /053D/
0401 Arranged Staff

MUSC 209E
Applied Music—Cello (2-4 Var Cr) /053E/
0501 Arranged Staff

MUSC 209F
Applied Music—Bass (2-4 Var Cr) /053F/
0601 Arranged Staff

MUSC 209G
Applied Music—Flute (2-4 Var Cr) /053G/
0701 Arranged Staff

MUSC 209I
Applied Music—Clarinet (2-4 Var Cr) /053I/
0901 Arranged Staff

MUSC 209K
Applied Music—Alto Sax (2-4 Var Cr) /053K/
1001 Arranged Etheridge

MUSC 209L
Applied Music—Horn (2-4 Var Cr) /053L/
1201 Arranged Staff

MUSC 209M
Applied Music—Trumpet (2-4 Var Cr) /053M/
1301 Arranged Staff

MUSC 209N
Applied Music—Trombone (2-4 Var Cr)
1401 Arranged Staff

MUSC 2090
Applied Music—Tuba (2-4 Var Cr) /053O/
1501 Arranged Staff

MUSC 209P
Applied Music—Euphonium (2-4 Var Cr) /053P/
1601 Arranged Staff

MUSC 209R
Applied Music—Organ (2-4 Var Cr) /053R/
1801 Arranged Staff

MUSC 408A
Applied Music—Piano (2-4 Var Cr) /112A/
0101 Arranged Staff

MUSC 408B
Applied Music—Voice (2-4 Var Cr) /112B/
0201 Arranged Staff

MUSC 408C
Applied Music—Violin (2-4 Var Cr) /112C/
0301 Arranged Staff

MUSC 408D
Applied Music—Viola (2-4 Var Cr) /112D/
0401 Arranged Staff

MUSC 408E
Applied Music—Cello (2-4 Var Cr) /112E/
0501 Arranged Staff

MUSC 408F
Applied Music—Bass (2-4 Var Cr) /112F/
0601 Arranged Staff

MUSC 408G
Applied Music—Flute (2-4 Var Cr) /112G/
0701 Arranged Staff

MUSC 408I
Applied Music—Clarinet (2-4 Var Cr) /112I/
0901 Arranged Staff

MUSC 408L
Applied Music—Horn (02) /112L/
1201 Arranged Staff

MUSC 408M
Applied Music—Trumpet (2-4 Var Cr) /112M/
1301 Arranged Staff

MUSC 408N
Applied Music—Trombone (2-4 Var Cr) /112N/
1401 Arranged Staff

MUSC 4080
Applied Music—Tuba (2-4 Var Cr) /112O/
1501 Arranged Staff

MUSC 408P
Applied Music—Euphonium (2-4 Var Cr) /112P/
1601 Arranged Staff

MUSC 408R
Applied Music—Organ (2-4 Var Cr) /112R/
1801 Arranged Staff

MUSC 409A
Applied Music—Piano (2-4 Var Cr) /113A/
0101 Arranged Staff

MUSC 409B
Applied Music—Voice (2-4 Var Cr) /113B/
0201 Arranged Staff

MUSC 409C
Applied Music—Violin (2-4 Var Cr) /113C/
0301 Arranged Staff

MUSC 409D
Applied Music—Viola (2-4 Var Cr) /113D/
0401 Arranged Staff

MUSC 409E
Applied Music—Cello (2-4 Var Cr) /113E/
0501 Arranged Staff

MUSC 409F
Applied Music—Bass (2-4 Var Cr) /113F/
0601 Arranged Staff

MUSC 409G
Applied Music—Flute (2-4 Var Cr) /113G/
0701 Arranged Staff

MUSC 409I
Applied Music—Clarinet (2-4 Var Cr) /1131/
0901 Arranged Staff

MUSC 409L
Applied Music—Horn (2-4 Var Cr) /113L/
1201 Arranged Staff

MUSC 409M
Applied Music—Trumpet (2-4 Var Cr) /113M/
1301 Arranged Staff

MUSC 409N
Applied Music—Trombone (2-4 Var Cr) /113N/
1401 Arranged Staff

MUSC 4090
Applied Music—Tuba (2-4 Var Cr) /1130/
1501 Arranged Staff

MUS 409P
Applied Music—Euphonium (2-4 Var Cr) /113P/
1601 Arranged Staff

MUSC 409R
Applied Music—Organ (2-4 Var Cr) /113R/
1801 Arranged Staff

MUSC 418A
Applied Music—Piano (2-4 Var Cr) /152A/
0101 Arranged Staff

MUSC 418B
Applied Music—Voice (2-4 Var Cr) /152B/
0201 Arranged Staff

MUSC 418C
Applied Music—Violin (2-4 Var Cr) /152C/
0301 Arranged Staff

MUSC 418D
Applied Music—Viola (2-4 Var Cr) /152D/
0401 Arranged Staff

MUSC 418E
Applied Music—Cello (2-4 Var Cr) /152E/
0501 Arranged Staff

MUSC 418F
Applied Music—Bass (2-4 Var Cr) /152F/
0601 Arranged Staff

MUS 418G
Applied Music—Flute (2-4 Var Cr) /152G/
0701 Arranged Staff

MUS 418I
Applied Music—Clarinet (2-4 Var Cr) /152I/
0901 Arranged Staff

MUS 418J
Applied Music—Bassoon (2-4 Var Cr) /152J/
1101 Arranged Staff

MUSC 418L
Applied Music—Horn (2-4 Var Cr) /152L/
1201 Arranged Staff

MUSC 418M
Applied Music—Trumpet (2-4 Var Cr) /152M/
1301 Arranged Staff

MUSC 418N
Applied Music—Trombone (2-4 Var Cr) /152N/
1401 Arranged Staff

MUSC 418O
Applied Music—Tuba (2-4 Var Cr) /152O/
1501 Arranged Staff

MUSC 418P
Applied Music—Euphonium (2-4 Var Cr) /152P/
1601 Arranged Staff

MUSC 418R
Applied Music—Organ (2-4 Var Cr) /152R/
1801 Arranged Staff

MUSC 419A
Applied Music—Piano (2-4 Var Cr) /153A/
0101 Arranged Staff

MUSC 419B
Applied Music—Voice (2-4 Var Cr) /153B/
0201 Arranged Staff

MUSC 419C
Applied Music—Violin (2-4 Var Cr) /153C/
0301 Arranged Staff

MUSC 419D
Applied Music—Viola (2-4 Var Cr) /153D/
0401 Arranged Staff

MUSC 419E
Applied Music—Cello (2-4 Var Cr) /153E/
0501 Arranged Staff

MUSC 419F
Applied Music—Bass (2-4 Var Cr) /153F/
0601 Arranged Staff

MUSC 419G
Applied Music—Flute (2-4 Var Cr) /153G/
0701 Arranged Staff

MUSC 419I
Applied Music—Clarinet (2-4 Var Cr) /153I/
0901 Arranged Staff

MUSC 419J
Applied Music—Bassoon (2-4 Var Cr) /153J/
1101 Arranged Staff

MUSC 419L
Applied Music—Horn (2-4 Var Cr) /153L/
1201 Arranged Staff

MUSC 419M
Applied Music—Trumpet (2-4 Var Cr) /153M/
1301 Arranged Staff

MUSC 419N
Applied Music—Trombone (2-4 Var Cr) /153N/
1401 Arranged Staff

MUSC 4190
Applied Music—Tuba (2-4 Var Cr) /1530/
1501 Arranged Staff

MUSC 419P
Applied Music—Euphonium (2-4 Var Cr) /153P/
1601 Arranged Staff

MUSC 419R
Applied Music—Organ (2-4 Var Cr) /153R/
1801 Arranged Staff

MUSC 609A
Interpretation and Repertoire—Piano (02) /212A/
0101 Arranged Staff

MUSC 609B
Interpretation and Repertoire—Voice (02) /212B/
0201 Arranged Staff

MUSC 609C
Interpretation and Repertoire—Violin (02) /212C/
0301 Arranged Staff

MUSC 609D
Interpretation and Repertoire—Viola (02) /212D/
0401 Arranged Staff

MUSC 609E
Interpretation and Repertoire—Cello (02) /212E/
0501 Arranged Staff

MUSC 609F
Interpretation and Repertoire—Bass (02) /212F/
0601 Arranged Staff

MUSC 609G
Interpretation and Repertoire—Flute (02) /212G/
0701 Arranged Staff

MUSC 609I
Interpretation and Repertoire—Clarinet (02) /212I/
0901 Arranged Staff

MUSC 609L
Interpretation and Repertoire—Horn (02) /212L/
1201 Arranged Staff

MUSC 609M
Interpretation and Repertoire—Trumpet (02) /212M/
1301 Arranged Staff

MUSC 609N
Interpretation and Repertoire—Trombone (02) /212N/
1401 Arranged Staff

MUSC 609O
Interpretation and Repertoire—Tuba (02) /212O)
1501 Arranged Staff

MUSC 609P
Interpretation and Repertoire—Euphonium (02) /212P/
1601 Arranged Staff

MUSC 609R
Interpretation and Repertoire—Organ (02) 212R/
1801 Arranged Staff

MUSC 610A
Graduate Performance—Piano (04) /213A/
0101 Arranged Staff

MUSC 610B
Graduate Performance—Voice (04) /213B/
0201 Arranged Staff

MUSC 610C
Graduate Performance—Violin (04) /213C/
0301 Arranged Staff

MUSC 610D
Graduate Performance—Viola (04) /213D/
0401 Arranged Staff

MUSC 610E
Graduate Performance—Cello (04) /213E/
0501 Arranged Staff

MUSC 610F
Graduate Performance—Bass (04) /213F/
0601 Arranged Staff

MUSC 610G
Graduate Performance—Flute (04) /213G/
0701 Arranged Staff

MUSC 610I
Graduate Performance—Clarinet (04) /213I/
0901 Arranged Staff

MUSC 610L
Graduate Performance—Horn (04) /213L/
1201 Arranged Staff

MUSC 610M
Graduate Performance—Trumpet (04) /213M/
1301 Arranged Staff

MUSC 610N
Graduate Performance—Trombone (04) /213N/
1401 Arranged Staff

MUSC 610O
Graduate Peformance—Tuba (04) /213O/
1501 Arranged Staff

MUSC 610P
Graduate Performance—Euphonium (04) /213P/
1601 Arranged Staff

MUSC 610R
Graduate Performance—Organ (04) /213R/
1801 Arranged Staff

MUSC 805A
Interpretation, Performance, and Pedagogy—Piano (04) /312A/
0101 Arranged Staff

MUSC 805B
Interpreation, Performance, and Pedagogy—Voice (04) /312B/
0201 Arranged Staff

MUSC 805C
Interpretation, Performance, and Pedagogy—Violin (04) /312C/
0301 Arranged Staff

MUSC 805D
Interpreation, Performance, and Pedagogy—Viola (04) /312D/
0401 Arranged Staff

MUSC 805E
Interpretation, Performance, and Pedagogy—Cello (04) /312E/
0501 Arranged Staff

MUSC 805F
Interpretation, Performance, and Pedagogy—Bass (04) /312F/
0601 Arranged Staff

MUSC 805G
Interpretation, Performance, and Pedagogy—Flute (04) /312G/
0701 Arranged Staff

MUSC 805I
Interpretation, Performance, and Pedagogy—Clarinet (04) /321I/
0901 Arranged Staff

MUSC 805L
Interpretation, Performance, and Pedagogy—Horn (04) /312L/
1201 Arranged Staff

MUSC 805M
Interpretation, Performance, and Pedagogy—Trumpet (04) /312M/
1301 Arranged Staff

MUSC 805N
Interpretation, Performance, and Pedagogy—Trombone (04) /312N/
1401 Arranged Staff

MUSC 805O
Interpretation, Performance, and Pedagogy—Tuba (04) /312O/
1501 Arranged Staff

MUSC 805P
Interpretation, Performance, and Pedagogy—Euphonium (04) /312P/
1601 Arranged Staff

MUSC 805R
Interpretation, Performance, and Pedagogy—Organ (04) /312R/
1801 Arranged Staff

MUSC 806A
Interpretation, Performance, and Pedagogy—Piano (04) /313A/
0101 Arranged Staff

MUSC 806B
Interpretation, Performance, and Pedagogy—Voice (04) /3138/
0201 Arranged Staff

MUSC 806C
Interpretation, Performance, and Pedagogy—Violin (04) /313C/
0301 Arranged Staff

MUSC 806D
Interpretation, Performance, and Pedagogy—Viola (04) /313D/
0401 Arranged Staff

MUSC 806E
Interpretation, Performance, and Pedagogy—Cello (04) /313E/
0501 Arranged Staff

MUSC 806F
Interpretation, Performance, and Pedagogy—Bass (04) /313F/
0601 Arranged

MUSC 806G
Interpretation, Performance, and Pedagogy—Flute (04) /313G/
0701 Arranged Staff

MUSC 806I
Interpretation, Performance, and Pedagogy—Clarinet (04) /313I/
0901 Arranged Staff

MUSC 806L
Interpretation, Performance, and Pedagogy—Horn (04) /313L/
1201 Arranged Staff

MUSC 806M
Interpretation, Performance, and Pedagogy—Trumpet (04) /313M/
1301 Arranged Staff

MUSC 806N
Interpretation, Performance, and Pedagogy—Trombone (04) /313N/
1401 Arranged Staff

MUSC 806O
Interpretation, Performance, and Pedagogy—Tuba (04) /3130/
1501 Arranged Staff

MUSC 806P
Interpretation, Performance, and Pedagogy—Euphonium (04) /313P/
1601 Arranged Staff

MUSC 806R
Interpretation, Performance, and Pedagogy—Organ (04) /313R/
1801 Arranged Staff

MUSC 807A
Interpretation, Performance, and Pedagogy—Piano (04) /314A/
0101 Arranged Staff

MUSC 807B
Interpretation, Performance, and Pedagogy—Voice (04) /314B/
0201 Arranged Staff

MUSC 807C
Interpretation, Performance, and Pedagogy—Violin (04) /314C/
0301 Arranged Staff

MUSC 807D
Interpretation, Performance, and Pedagogy—Viola (04) /314D/
0401 Arranged Staff

MUSC 807E
Interpretation, Performance, and Pedagogy—Cello (04) /314E/
0501 Arranged Staff

MUSC 807F
Interpretation, Performance, and Pedagogy—Bass (04) /314F/
0601 Arranged Staff

MUSC 807G
Interpretation, Performance, and Pedagogy—Flute (04) /314G/
0701 Arranged Staff

MUSC 807I
Interpretation, Performance, and Pedagogy—Clarinet (04) /314I/
0901 Arranged Staff

MUSC 807L
Interpretation, Performance, and Pedagogy—Horn (04) /314L/
1201 Arranged Staff

MUSC 807M
Interpretation, Performance, and Pedagogy—Trumpet (04) /314M/
1301 Arranged Staff

MUSC 807N
Interpretation, Performance, and Pedagogy—Trombone (04) /314N/
1401 Arranged Staff

MUSC 807O
Interpretation, Performance, and Pedagogy—Tuba (04) /314O/
1501 Arranged Staff

MUSC 807P
Interpretation, Performance, and Pedagogy—Euphonium (04) /314P/
1601 Arranged Staff

MUSC 807R
Interpretation, Performance, and Pedagogy—Organ (04) /314R/
1801 Arranged Staff

PHILOSOPHY

PHIL 100
Introduction to Philosophy (03) /001/

0101	MTuThF 9.30	T	108	Lesher
0201	MTuThF 11	T	005	Celarier
0301	MW 7	Q	027	Perkins
0401	MTuThF 12.30	T	005	Staff

PHIL 140
Ethics (03) /045/

0101	MTuThF 9.30	T	103	Staff

PHIL 170
Elementary Logic and Semantics (03) /041/

0101	MTuThF 11	T	103	Kress
0201	MTuThF 2	T	201	Odell

PHIL 320
Modern Philosophy (03) /102/

0101	MTuThF 11	T	201	Varnedoe

PHIL 498
Topical Investigations (1-3 Var Cr) /193/
0101 Arranged Staff

PHIL 499
Topical Investigations (1-3 Var Cr) /194/
0101 Arranged **Staff**

PHIL 688
Selected Problems in Philosophy (1-3 Var Cr) /292/
0101 Arranged Staff

PHIL 799
Master's Thesis Research (1-6 Var Cr) /399/
0101 Arranged Staff

PHIL 899
Doctoral Thesis Research (1-6 Var Cr) /499/
0101 Arranged Staff

PHYSICS

PHYS 121
Fundamentals of Physics (04) /010/
Prerequisite—Entrance Credit in Trigonometry or Math III or Concurrent Enrollment in Math 115. Lecture and Recitation Sessions plus 4 hours of Lab per week.
0101 MTuWThF 11-12.40/TuTh 9-11 Z 171 Z 362 Staff
0102 MTuWThF 11-12.40/MW 2-4 Z 171 Z 362 Staff

PHYS 122
Fundamentals of Physics (04) /011/
0101 MTuWThF 1-2.40/TuTh 1-3 Z 171 Z 362 Staff
0102 MTuWThF 1-2.40/WF 12-2 Z 171 Z 362 Staff

PHYS 161
General Physics—Mechanics and Particle Dynamics (03) /030/
(Prerequisite—Math 141 or Concurrent Enrollment in Math 141)
0101 MTuThF 8/ /W8 Z 171 Z 171 Staff

PHYS 263
General Physics—Electricity and Magnetism (04) /032/
0101 MTuWThF 9.30/TuTh 1-4 Z 171 Z 340 Staff

PHYS 299
Special Problems in Physics (Cr Arr) /150/
Prerequisite—Major in Physics or Consent of Department Chairman. Section 0101 Research or Special Study. Section 0201 Topic to be Announced.
0101 Arranged Staff

PHYS 299A
Special Problems in Physics—NSF Institute (06) /150A/
0101 Arranged Gardner

PHYS 299B
Special Problems in Physics—NSF Institute (03) /150B/
(Class Meets in Catonsville)
0101 Arranged Staff

PHYS 382
Theoretical Mechanics (03) /107/
Prerequisite—Phys. 284/018/321/105/263/032; Math 241/022
0101 MTuWThF 9.30 Z 173 Staff

PHYS 399
Special Problems in Physics (02) /110/
(NSF Institute Only)
0101 MTuWTh 1-5 Z 322 Staff

PHYS 429
Atomic and Nuclear Laboratory (03) /140/
(Prerequisite—Phys 365 or Equivalent)
0101 TuTh 8-1 Z 349 Staff

PHYS 498
Independent Study Seminar (Cr Arr) /190/
Credit According to Work Accomplished. Enrollment is Limited to Students Enrolled in the Honors Program in Phys.
0101 Arranged Staff

PHYS 601
Theoretical Dynamics (03) /200/
0101 MTuThF 11 Z 140 Staff

PHYS 604
Methods of Mathematical Physics (04) /204/
(Prerequisite—Phys 401 or Equivalent)
0101 MTuWThF 9.30 Z 140 Staff

PHYS 621
Graduate Laboratory (03) /209/
0101 TuTh 8-2 Z 349 Staff

PHYS 708
Seminar—Teaching of College Physics (01) /230/
NSF Institute Seminar
One Class Per Week
0101 MTuWThF 9/MTh 10 Z 071 Z 071 Connors

PHYS 709
Seminar—Topic To Be Announced (01) /230/
0101 W 9-10 Z 156 Staff

PHYS 798
Special Problems in Advanced Physics (1-6 Var Cr) /250/
(Credit According to Work Accomplished)
0101 Arranged Staff

PHYS 799
Master's Thesis Research (1-6 Var Cr) /399/
0101 Arranged Staff

PHYS 809
Special Topics in Modern Physics (02) /248/
(Two 2-Hour Lectures per Week. Topic to be Announced)
0101 TuTh 9-11 SS 135 Staff

PHYS 899
Doctoral Thesis Research (1-6 Var Cr) /499/
0101 Arranged Staff

PSYCHOLOGY

PSYC 100
Introduction to Psychology (03) /001/
0101 MTuThF 8 RR 002 Specter
0201 MTuThF 2 RR 002 Staff

PSYC 200
Statistical Methods in Psychology (03) /090/
(Prerequisite—Psyc 100 and Math 110 or Equivalent
0101 MTuThF 9.30 MM 207 Carroll

PSYC 221
Social Psychology (03) /021/
(Prerequisite—Psyc 100)
0101 MTuThF 11 A 052 Taylor

PSYC 235
Personality and Adjustment (03) /005/
(Prerequisite—Psyc 100)
0101 MTuThF 9.30 C 097 Osterhouse

PSYC 236
Child Psychology (03) /025/
(Prerequisite—Psyc 100)
0101 MTuThF 9.30 A 052 Scholnick

PSYC 365
Survey of Industrial Psychology (03) /035/
Prerequisite—Psyc 100. May not be taken Concurrently
with or Following Psyc 461
0101 MTuThF 8 A 164 Dachler

PSYC 400
Experimental Psychology—Learning and Motivation (04) /146/
(Prerequisite—Psyc 200 or Equivalent)
0101 MTuThF 9.30/MTuThF 8 AA 009 EE 016 Hegge
0102 MTuThF 9.30/MTuThF 11 AA 009 EE 016 Hegge
0103 MTuThF 9.30/MTuThF 12.30 AA 009 EE 016 Hegge
0104 MTuThF 9.30/MTuThF 2 AA 009 EE 016 Hegge

PSYC 431
Abnormal Psychology (03) /131/
Prerequisite—Psyc 200 or Equivalent)
0101 MTuThF 8 A 161 Claiborn
0201 MTuThF 11 C 081 Dies

PSYC 432
Personality (03) /105/
(Prerequisite—Psyc 200 or Equivalent)
0101 MTuThF 11 C 076 Smith

PSYC 433
Advanced Topics In Child Psychology (03) /125/
(Prerequisite—Psyc 200 or Equivalent)
0101 MTuThF 9.30 C 076 Specter

PSYC 441
Psychology of Human Learning (03) /148/
Prerequisite—Psyc 200 or Equivalent)
0101 MTuThF 9.30 MM 226 Horton

PSYC 451
Principles of Psychological Testing (04) /150/
(Prerequisite—Psyc 200 or Equivalent)
0101 MTuThF 8/MTh 12.30-2.30 MM 226 MM 444 Waldrop
0201 MTuThF 8/TuF 12.30-2.30 MM 226 MM 444 Staff

PSYC 452
Psychology of Individual Differences (03) /151/
(Prerequisite—Psyc 451 and Permission of Instructor)
0101 MTuThF 11 MM 226 Carroll

PSYC 461
Personality and Industrial Psychology (03) /135/
(Prerequisite—Psyc 200 or Equivalent)
0101 MTuThF 11 C 090 Dachler

PSYC 478
Independent Study in Psychology (1-3 Var Cr) /194/
Prerequisite—Advanced Standing and Written Consent of Individual Faculty Supervisor.
0101 Arranged Staff

PSYC 479S
Minor Problems in Psychology (1-3 Var Cr) /195/
Prerequisite—Advanced Standing and Written Consent of Individual Faculty Supervisor.
0101 ThF 3-5 Q 107 Fretz

PSYC 489
Senior Seminar (03) /191/
(Prerequisite—Senior Standing and Consent of Instructor)
0101 MTuW 3-5 Q 107 Fretz

PSYC 499H
Honors Thesis Research (03) /199H/
0101 Arranged Staff

PSYC 611
Advanced Developmental Psychology (03) /265/
(Prerequisite—Permission of Instructor)
0101 Arranged Scholnick

PSYC 612
Theories of Personality (03) /267/
(Prerequisite—Permission of Instructor)
0101 Arranged Smith

PSYC 648
Seminar In Social Psychology (03) /242/
(Prerequisite—Permission of Instructor)
0101 Arranged Taylor

PSYC 671
Verbal Behavior (03) /208/
(Prerequisite—Permission of Instructor)
0101 Arranged Horton

PSYC 688
Historical Viewpoints and Current Theories in Psychology (03) /206/
(Prerequisite—PSYC 212 and Permission of Instructor)
0101 Arranged Hegge

PSYC 711
Seminar In Counseling Psychology (03) /221/
(Prerequisite—Permission of Instructor)
0101 Arranged Osterhouse

PSYC 713
Seminar In Clinical Psychology (03) /222/
(Prerequisite—Permission of Instructor)
0101 Arranged Dies

PSYC 788
Special Research Problems (1-4 Var Cr) /288/
(Require Graduate Standing and Consent of Faculty Supervisor)
(Prerequisite—Permission of Instructor)
0101 Arranged Staff

PSYC 799
Master's Thesis Research (1-6 Var Cr) /399/
(Prerequisite—Permission of Instructor)
0101 Arranged Staff

PSYC 804
Occupational Development and Choice (03) /260/
(Prerequisite—Permission of Instructor)
0101 Arranged Waldrop

PSYC 808
Practicum In Community Mental Health Consultation (03) /269/
(Prerequisite—Permission of Instructor)
0101 Arranged Claiborn

PSYC 899
Doctoral Thesis Research (1-6 Var Cr) /499/
(Prerequisite—Permission of Instructor)
0101 Arranged Staff

RADIO AND TELEVISION

RATV 124
Mass Communication in 20th Century Society (03) /024/
0101 MTuThF 9.30-10.50 FF 024 Leduc

RATV 302
Radio Production (03) /102/
0101 MTuThF 9.30 NN 122 du Monceau

RATV 340
Principles of Television Production (03) /140/
0101 MTuThF 8 NN 040 McCleary

RUSSIAN

RUSS 101
Elementary Russian (03) /001/
June 24-July 17. Register for Russ 101 and/or 102 on June 21 or 22 as Separate Courses. This Course Meets Three Times Daily. Lectures 9 and 10.15—Drill at 8.
Students Enrolled in Russ 101 and/or 102 May Not Take Any Other Course in the Summer Session.
0101 MTuWThF 8-11.15 Y 006 Dulbe

RUSS 102
Elementary Russian (03) /002/
July 20-August 14. Register for Russ 102 and/or 101 on June 21 or 22 as Separate Courses. This Course Meets Three Times Daily. Lectures 9 and 10.15—Drill at 8.
Students Enrolled in Russ 102 and/or 101 May Not Take Any Other Course in the Summer Session.
0101 MTuWThF 8-11.15 Y 006 Lindes

RUSS 201
Intermediate Russian (03) /006/
June 24-July 17. Register for Russ 201 and/or 202 on June 21-22 as separate courses. This course meets daily 9.30-10.30 and 10.45 to 11.45. A student enrolled in Russ 201 and/or Russ 202 may not take any other course in the Summer Session.
0101 MTuWThF 9.30-11.45 Y 009 Berry

RUSS 202
Intermediate Russian (03) /007/
July 20-August 14. Register for Russ 202 and/or 201 on June 21-22 as separate courses. This course meets daily 9.30-10.30 and 10.45 to 11.45. A student enrolled in Russ 202 and/or 201 may not take any other course in the Summer Session.
0101 MTuWThF 9.30-11.45 Y 009 Hitchcock

SOCIOLOGY

SOCY 100
Introduction to Sociology (03) /001/
(Socy 100, or its equivalent, is required for all other courses)
0101 MTuThF 9.30 A 167 Staff
0201 MTuThF 12.30 RR 024 Staff
0301 MTuThF 2.00 RR 024 Staff

SOCY 200
Principles of Sociology (03) /086/
0101 MTuThF 2.00 RR 115 Staff

SOCY 201
Introduction to Statistics for Sociology (03) /095/
0101 MTuThF 2.00 RR 016 Staff

SOCY 210
Social Problems (03) /051/
0101 MTuThF 8.00 RR 115 Staff

SOCY 220
Criminology (03) /052/
0101 MTuThF 8.00 A 167 Staff

SOCY 400
Sociological Theory (03) /186/
0101 MTuThF 9.30 A 164 Staff

SOCY 430
Sociology of Personality (03) /141/
0101 MTuThF 11 A 166 Staff

SOCY 441
Social Stratification (03) /162/
0101 MTuThF 12.30 RR 113 Staff

SOCY 443
Family and Society (03) /164/
0101 MTuThF 11 A 164 Staff

SOCY 450
Juvenile Delinquency (03) /153/
0101 MTuThF 9.30 A 166 Staff

SOCY 451
Crime and Delinquency Prevention (03) /154/
0101 MTuThF 11 A 167 Staff

SOCY 462
Industrial Sociology (03) /115/
0101 MTuThF 2.00 RR 113 Staff

SOCY 473
The City (03) /114/
0101 MTuThF 8 J0 A 166 Staff

SOCY 699
Special Social Problems (1-3 Var Cr) /291/
0101 Arranged Staff

SOCY 799
Master's Thesis Research (1-6 Var Cr) /399/
0101 Arranged Staff

SOCY 899
Doctoral Thesis Research (1-6 Var Cr) /499/
0101 Arranged Staff

SPANISH

SPAN 101
Elementary Spanish (03) /001/
June 24-July 17. Register for Span 101 and/or 102 on June 21-22 as separate courses. This course meets four hours MTuThF. Lectures 8, 9, 11 plus regular laboratories 10 or 12. Students enrolled in Span 101 and or 102 may not take any other course in the Summer Session.
0101 MTuThF 8, 9, 11 LL 004 Raggio
0201 MTuThF 8, 9, 11 LL 104 Forbes

SPAN 102
Elementary Spanish (03) /002/
July 20-August 14. Register for Span 102 and/or 101 on June 21-22 as separate couses. This course meets four hours MTuThF. Lectures 8, 9, 11 plus regular laboratories at 10 or 12. Students enrolled in Span 102 and/or 101 may not take any other course in the Summer Session.
0101 MTuThF 8, 9, 11 LL 004 Raggio
0201 MTuThF 8, 9, 11 LL 104 Forbes

SPAN 111
Intermediate Spanish (03) /006/
June 24-July 17. Register for Span 111 and/or 112 on June 21-22 as separate courses. Students enrolled in Span 111 and or 112 may not take any other course in the Summer Session.
0101 MTuTh 8-10/MTuTh 11 LL 002 LL 002 Feustle
0201 MTuTh 8-10/MTuTh 11 LL 105 Barroto

SPAN 112
Intermediate Spanish (03) /007/
July 20-August 14. Register for Span 112 and/or 111 on June 21-22 as separate courses. Students enrolled in Span 112 and/or 111 may not take any other course in the Summer Session.
0101 MTuTh 8-10/MTuTh 11 LL 002 LL 002 Feustle
0201 MTuTh 8-10/MTuTh 11 LL 105 Barroto

SPAN 312
Advanced Conversation (03) /081/

0101	MTuWTh 12.30	LL	113	Willoughby, MacDonald
0201	MTuWTh 12.30	LL	113	Willoughby, MacDonald

SPAN 333
Latin-American Civilization (03) /173/

0101	MTuWTh 8.00	LL	116	Sosnowski

SPAN 431
Cervantes—Nuvelas, Ejemplares and Drama (03) /116/

0101	MTuWTh 9.30	LL	201	Rovner

SPAN 436
Seventeenth Century Drama—Lope de Vega (03) /119/

0101	MTuWTh 11.00-12.45	LL	201	Rovner

SPAN 488
Spanish-American Fiction (03) /159/

0101	MTuWTh 11.00	LL	116	Sosnowski

SPAN 728
The Twentieth Century—La Novela Contemporánea Española (03) /237/

0101	MTh 12.30-2.30	LL	201	Marra-Lopez

SPAN 799
Master's Thesis Research (1-6 Var Cr) /399/

0101	Arranged	Staff

SPAN 899
Doctoral Thesis Research (1-6 Var Cr) /499/

0101	Arranged	Staff

SPEECH

SPCH 100
Public Speaking (03) /001/
(Prerequisite for Advanced Spch courses)

0101	MTuThF 8.00	NN	22A	Kennicott
0201	MTuThF 8.00	NN	22B	Wolvin
0301	MTuThF 9.30	MM	B26	Lea
0401	MTuThF 9.30	NN	102	Starcher
0501	MTuThF 11.00	NN	22B	Abrams
0601	MTuThF 11.00	MM	B26	Staff
0701	MTuThF 11.00	NN	122	Staff

SPCH 220
Group Discussion (03) /010/

0101	MTuThF 9.30	NN	22B	Linkow

SPCH 240
Oral Interpretation (03) /013/

0101	MTuThF 11.00	NN	102	Staff

SPCH 350
Fundamentals of Speech Communication (03)

0101	MTuThF 8.00	NN	102	Rebach

SPCH 498
Seminar (03) /111/
(Prerequisites—Senior standing and Consent of Instructor)

0101	Arranged	Aylward

SPCH 798
Independent Study (1-3 Var Cr) /290/
(Prerequisite—Consent of Instructor)
0101 Arranged Staff

SPCH 799
Master's Thesis Research (1-6 Var Cr) /399/
0101 Arranged Staff

SPCH 899
Doctoral Thesis Research (1-6 Var Cr) /499/
0101 Arranged Staff

SPHR 202
Fundamentals of General American Speech (03) /003/
0101 MTuThF 9.30 NN 22A Hard

SPHR 302
Speech-Handicapped School Children (03) /105/
0101 MTuThF 11.00 NN 22A Hard

SPHR 408
Clinical Practice (1-3 Var Cr) /106/
Prerequisite—Sphr 302 and Permission of Instructor.
0101 TuF 12.30 Arranged NN 22A Boss

SPHR 602
Advanced Speech Pathology (03) /212/
0101 MTuThF 9.30 NN 004 Canetta

SPHR 604
Experimental Phonetics (03) /203/
0101 MTuThF 11.00 NN 013 Baker

SPHR 606
Clinical Audiometry (03) /214/
0101 MTuThF 11.00 NN 004 Doudna

SPHR 638
Minor Research Problems (1-3 Var Cr) /201K/
0101 Arranged Staff

SPHR 648
Advanced Clinical Practice—Speech Therapy (1-3 Var Cr) /211A/
(Prerequisites—12 hours of Speech Pathology and Audiology)
0101 Arranged Boss

SPHR 649
Advanced Clinical Practice—Audiology (1-3 Var Cr) /211B/
(Prerequisites—12 hours of Audiology and Pathology)
0101 Arranged Doudna

SPHR 708
Independent Study in Speech and Hearing Science (1-6 Var Cr) /301/
(Prerequisite—30 hours of Graduate Study in Speech and Hearing Science)
0101 Arranged Staff

STATISTICS AND PROBABILITY

STAT 400
Applied Probability and Statistics I (03) /100/
(Prerequisite—Math 221 or concurrent enrollment in Math 240)

0101	MTuThF 8.00	Y	B40	Staff
0201	MTuThF 8.00	Y	042	Staff
0301	MTuThF 11.00	Y	031	Staff

ZOOLOGY

ZOOL 101
General Zoology (04) /001/
Zool 101 and 102 satisfy the Freshman Premedical requirement in General Biology

0101	MTuThF 8/TuTh 9.30-11.30	T	021	CC	101	Linder, Staff
0102	MTuThF 8/TuTh 9.30-11.30	T	021	CC	107	Linder, Staff
0103	MTuThF 8/TuTh 1-3	T	021	CC	101	Linder, Staff
0104	MTuThF 8/TuTh 1-3	T	021	CC	107	Linder, Staff

ZOOL 102
The Animal Phyla (04) /002/
(Prerequisite—Zool 101 or Botn 100)

0101	MTuThF 10-11/MTuThF 8-10	T	005	CC	110	Haley, Staff
0102	MTuThF 10-11/MTuThF 12-2	T	005	CC	115	Haley, Staff

ZOOL 207S
Development of The Human Body (02) /055S/

0101	MWF 8.00	Q	007	Kaufman

ZOOL 290
Comparative Vertebrate Morphology (04) /005/
(Prerequisite—Zool 101 and 102 or equivalent)

0101	MTuThF 11/MTuThF 8-11	A	174	R	202	Ramm

ZOOL 309H
Honors Independent Study (1-4 Var Cr) /152H/
(Prerequisite—Participation in Honors Program)

0101	Arranged	Staff

ZOOL 318H
Honors Research (1-2 Var Cr) /163H/
(Prerequisite—Participation in Honors Program)

0101	Arranged	Staff

ZOOL 319
Special Problems in Zoology (1-2 Var Cr) /150/
Prerequisites—Major in Zoology of Biological Sciences, a minimum of 3.0 cumulative average in the Biological Sciences and Consent of Instructor.

0101	Arranged	Staff

ZOOL 456
Zoogeography (03) /128/
(Prerequisite—Zool 101, 102, and 290 or equivalent)

0101	MTuThF 12.30	Q	122	Potter

ZOOL 495
Animal Histology (04) /108/
(Prerequisite—A course in General Zoology and a course in Vertebrate Anatomy, or permission of the Instructor)
0101 MTuThF 8/MTuThF 9-12 RR 016 R 113 Brown

ZOOL 609
Special Problems in Zoology (Cr Arr) /208/
0101 Arranged Staff

ZOOL 799
Master's Thesis Research (1-6 Var Cr) /399/
0101 Arranged Staff

ZOOL 899
Doctoral Thesis Research (1-6) /499/
0101 Arranged Staff

COLLEGE OF BUSINESS AND PUBLIC ADMINISTRATION

BUSINESS ADMINISTRATION

BSAD 000
Managerial Mathematics Workshop (00)
(This course is billed for 3 credit hours)

0101	MTuThF 1.00	Q	027	Staff

BSAD 110
Business Enterprise (03) /010/

0101	MTuThF 9.30	Q	133	Staff
0201	MTuThF 11.00	Q	133	Staff

BSAD 220
Principles of Accounting (03) /020/
(Prerequisite—Sophomore standing)

0101	MTuThF 8.00	Q	027	Staff
0201	MW 7.00-9.30 P.M.	Q	123	Staff
0301	MTuThF 8.00	G	205	Staff

BSAD 221
Principles of Accounting (03) /021/
(Prerequisite—Sophomore standing)

0101	MTuThF 8.00	Q	104	Staff
0201	MTuThF 9.30	Q	122	Staff

BSAD 230
Business Statistics I (03) /130/
(Prerequisite—Junior standing)

0101	MTuThF 8.00	Q	103	Staff
0201	MTuThF 9.30	Q	103	Staff
0301	MTuThF 11.00	Q	103	Staff
0401	MTuThF 8.00	Q	131	Staff
0501	MTuThF 9.30	Q	131	Staff
0601	MTuThF 11.00	Q	131	Staff

BSAD 310
Intermediate Accounting (03) /110/
(Prerequisite—BSAD 221)

0101	MTuThF 8.00	Q	133	Staff
0201	MTuThF 7.00 P.M.	Q	104	Staff

BSAD 311
Intermediate Accounting (03) /111/
(Prerequisite—BSAD 221)

0101	MTuThF 9.30	Q	027	Staff
0201	MTuThF 8.30 P.M.	Q	104	Staff

BSAD 320
Accounting Systems (03) /120/
(Prerequisite—BSAD 221)

0101	MTuThF 11.00	Q	130	Staff

BSAD 321
Cost Accounting (03) /121/
(Prerequisite—BSAD 221)

0101	MTuThF 11.00	Q	123	Staff

BSAD 323
Income Tax Accounting (03) /123/
(Prerequisite—BSAD 221)

0101	MTuThF 9.30	Q	368	Staff

BSAD 332
Operations Research I (03) /136/
(Prerequisite—BSAD 230 or Consent of Instructor)

0101	MTuThF 9.30	Q	104	Staff

BSAD 340
Business Finance (03) /140/

0101	MTuThF 8.00	Q	122	Staff
0201	MTuThF 9.30	Q	129	Staff

BSAD 350
Marketing Principles and Organization (03) /149/

0101	MTuThF 9.30	Q	123	Staff
0201	MTuThF 11.00	G	205	Staff

BSAD 351
Marketing Management (03) /150/

0101	MTuThF 9.30	Q	369	Staff

BSAD 352
Advertising (03) /151/
(Prerequisite—BSAD 350 or Consent of Instructor)

0101	MTuThF 12.30	Q	123	Staff

BSAD 360
Personnel Management (03) /160/

0101	MTuThF 12.30	Q	104	Staff
0102	MTuThF 11.00	Q	104	Staff

BSAD 362
Labor Relations (03) /163/

0101	MTuThF 9.30	Q	130	Staff

BSAD 364
Management and Organization Theory (03) /168/

0101	MTuThF 11.00	Q	028	Staff
0201	MTuThF 9.30	Q	130	Staff
0301	MW 7.00-9.40 P.M.	Q	129	Staff

BSAD 370
Principles of Transportation (03) /170/

0101	MTuThF 8.00	Q	129	Staff

BSAD 380
Business Law (03) /180/

0101	MTuThF 8.00	Q	368	Staff
0201	MTuThF 9.30	G	309	Staff

BSAD 381
Business Law (03) /181/

0101	MTuThF 11.00	Q	129	Staff

BSAD 422
Auditing Theory and Practice (03) /122/
(Prerequisite—BSAD 311)

0101	MTuThF 8.00	Q	123	Staff

BSAD 424
Advanced Accounting (03) /124/
(Prerequisite—BSAD 311)

0101	MTuThF 11.00	Q	122	Staff

BSAD 460
Personnel Management (03) /161/
(Prerequisite—BSAD 360)

0101	MTuThF 8.00	Q	130	Staff

BSAD 482
Business and Government (03) /189/

0101	MTuThF 11.00	Q	027	Staff
0201	MTuThF 8.00	G	109A	Staff

BSAD 495
Business Policies (03) /199/
(Prerequisite—Senior standing)

0101	MTuThF 8.00	Q	028	Staff
0201	MTuThF 9.30	G	109A	Staff
0301	MTuThF 8.00	G	109B	Staff
0401	MTuThF 9.30	Q	028	Staff
0501	MTuThF 11.00	G	109A	Staff

BSAD 735
Managerial Analysis I (03) /234/

0101	TuW 12.30-3.00	Q	129	Staff

BSAD 737
Management Simulation (03) /237/
(Prerequisite—BSAD 734 or Consent of Instructor)
0101 MW 12.30-3.00 Q 028 Staff

BSAD 740
Financial Administration (03) /240/
0101 MF 3.00-5.30 Q 19A Staff

BSAD 751
Marketing Communications Management (03) /251/
0101 MW 6.45-9.15 Q 368 Staff

BSAD 764
Behavorial Factors in Management (03) /264/
0101 TuW 3.00-5.30 RR 005 Staff

BSAD 774
Private Enterprise and Public Policy (03) /281/
0101 TuW 3.00-5.30 Q 129 Staff

BSAD 775
Product, Production and Pricing Policy (03) /282/
0101 MW 12.30-3.00 Q 132 Staff

BSAD 828
Independent Study in Business Administration (03) /298/
0101 Arranged Staff

BSAD 799
Master's Thesis Research (1-6 Var Cr) /399/
0101 Arranged Staff

BSAD 899
Doctoral Thesis Research (1-6 Var Cr) /499/
0101 Arranged Staff

ECONOMICS

ECON 110
Economic Developments (03) /004/
0101 MTuThF 9.30 T 118 Staff
0201 MTuThF 11.00 T 108 Staff

ECON 201
Principles of Economics (03) /031/
(Prerequisite—Sophomore standing)
0101 MTuThF 8.00 Q 107 Staff
0201 MTuThF 9.30 A 320 Staff

ECON 203
Principles of Economics (03) /032/
(Prerequisite—Econ 201)
0101 MTuThF 9.30 T 010 Staff
0201 MTuThF 9.30 A 321 Staff
0301 MTuThF 11.00 T 118 Staff

ECON 205
Fundamentals of Economics (03) /037/
Prerequisite—Sophomore standing. Not open to students who have credit in Econ 201 and 203. Not open to BPA students.

0101	MTuThF 8.00	Q	132	Staff
0201	MTuThF 9.30	Q	107	Staff
0301	MTuThF 11.00	Q	132	Staff

ECON 401
National Income Analysis (03) /102/
(Prerequisite—Econ 203. Required for Economics Majors)

0101	MTuThF 9.30	AR	002	Staff

ECON 403
Intermediate Price Theory (03) /132/
(Prerequisite—Econ 203. Required for Economics Majors)

0101	MTuThF 9.30	G	205	Staff
0201	MTuThF 11.00	G	309	Staff

ECON 415
Introduction to Economic Development of Underdeveloped Areas (03 /105/
(Prerequisite—Econ 203)

0101	MTuThF 8.00	Q	209	Staff

ECON 425
Mathematical Economics (03) /130/
(Prerequisite—Econ 203)

0101	MTuThF 11.00	G	109B	Staff

ECON 430
Money and Banking (03) /140/
(Prerequisite—Econ 203)

0101	MTuThF 8.00	RR	113	Staff

ECON 440
International Economics (03) /148/
(Prerequisite—Econ 203)

0101	MTuThF 12.30	Q	107	Staff

ECON 460
Industrial Organization (03) /170/
(Prerequisite—Econ 203)

0101	MTuThF 9.30	Q	132	Staff

ECON 470
Labor Economics (03) /160/
(Prerequisite—Econ 203)

0101	MTuThF 11.00	A	320	Staff

ECON 480
Comparative Economic Systems (03) /131/
(Prerequisite—Econ 203)

0101	MTuThF 11.00	Q	107	Staff

ECON 698
Selected Topics in Economics (03) /237/

0101	Ararnged	Staff

ECON 799
Master's Thesis Research (1-6 Var Cr) /399/

0101	Ararnged						Staff

ECON 899
Doctoral Thesis Research (1-6 Var Cr) /499/

0101	Ararnged						Staff

GEOGRAPHY

GEOG 100
Introduction to Geography (03) /001/

0101	MTuTh 9.30/	/M 11	Q	029	Q	232	Cirrincione
0102	MTuTh 9.30/	/M 2	Q	029	Q	209	Cirrincione
0103	MTuTh 9.30/	/M 3.30	Q	029	Q	209	Cirrincione
0104	MTuTh 9.30/	/Tu 8	Q	029	Q	232	Cirrincione
0105	MTuTh 9.30/	/Tu 2	Q	029	Q	209	Cirrincione
0106	MTuTh 9.30/	/Tu 3.30	Q	029	Q	209	Cirrincione
0107	MTuTh 9.30/	/Th 11	Q	029	Q	232	Cirrincione
0108	MTuTh 9.30/	/Th 2	Q	029	Q	209	Cirrincione
0109	MTuTh 9.30/	/Th 3.30	Q	029	Q	209	Cirrincione
0110	MTuTh 9.30/	/F 8	Q	029	Q	232	Cirrincione
0111	MTuTh 9.30/	/F 2	Q	029	Q	209	Cirrincione
0112	MTuTh 9.30/	/F 3.30	Q	029	Q	209	Cirrincione

GEOG 202
Introductory Cultural Geography (03) 011/

0101	MTuThF 8.00	Q	228	Muller
0102	MTuThF 12.30	Q	228	Deshler

GEOG 203
Introductory Economic Geography (03) /015/

0101	MTuThF 9.30	Q	228	Groves

GEOG 300
Introduction to Geographic Research and Writing (03) /109/

0101	Arranged	Q	229	Mitchell

GEOG 380
Local Field Course (03) /170/

0101	Arranged			Brodsky

GEOG 385
Scientific Methodology and History of Geography (03) /180/

0101	MW 7.00-950	Q	229	Hu

GEOG 400
Regional Geography of Eastern Anglo-America (03) /100/

0101	MTuThF 9.30	Q	210	Mitchell

GEOG 407
Historical Geography of America After 1800 (03) /128/

0101	MTuThF 11.00	Q	209	Muller

GEOG 415
Economic Resources and Development of Africa (03) /122/

0101	MTuThF 9.30	Q	209	Deshler

GEOG 421
Economic and Political Geography of Eastern Asia (03) /130/

0101	MTuThF 11.00	Q	228	Hu

GEOG 432
Economic and Cultural Geography of South America (03) /111/

0101	MTuThF 8.00	Q	210	Chaves

GEOG 451
Political Geography (03) /190/

0101	MTuThF 12.30	Q	209	Chaves

GEOG 455
Urban Geography (03) /197/

0101	MTuThF 12.30	Q	210	Groves

GEOG 490
Geographic Concepts and Source Materials (03) /103/

0101	MTuThF 11.00	Q	210	Cirrincione

GEOG 788
Selected Topics in Geography (1-3 Var Cr) /290/

0101	Arranged			Staff

GEOG 789
Selected Topics in Geography (1-3 Var Cr) /291/

0101	Arranged			Staff

GEOG 799
Master's Thesis Research (1-6 Var Cr) /399/

0101	Arranged			Staff

GEOG 899
Doctoral Thesis Research (1-6 Var Cr) /499/

0101	Arranged			Staff

GOVERNMENT AND POLITICS

GVPT 100
Principles of Government and Politics (03) /003/

0101	MTuThF 8.00	Q	019A	Heisler

GVPT 170
American Government (03) /001/

0101	MTuThF 9.30	H	304	Chaples
0201	MTuThF 11.00	H	304	Thigpen
0301	MTuThF 12.30	Q	19A	Glass

GVPT 220
Introduction to Political Behavior (03) /020/
(Prerequisite—GVPT 170)

0101	MTuThF 9.30	Q	19A	Devine

GVPT 280
Comparative Politics and Government (03) /090/

0101	MTuThF 12.30	Q	213	Melnick

GVPT 300
International Political Relations (03) /101/

0101	MTuThF 11.00	Q	19A	Wilkenfeld

GVPT 401
Problems of World Politics (03) /154/
(Prerequisite—GVPT 170)

0101	MTuThF 8.00	Q	211	Harrison

GVPT 410
Principles of Public Administration (03) /110/
(Prerequisite—GVPT 170)
0101 MTuThF 8.00 Q 213 Strouse

GVPT 431
Introduction to Constitutional Law (03) /131/
(Prerequisite—GVPT 170)
0101 MTuThF 11.00 Q 213 McCarrick

GVPT 441
History of Political Theory—Ancient and Medieval (03) /141/
(Prerequisite—GVPT 170)
0101 MTuThF 9.30 Q 213 Terchek

GVPT 454
Contemporary African Politics (03) /103/
(Prerequisite—GVPT 170)
0101 MTuThF 12.30 Q 211 Werlin

GVPT 462
Urban Politics (03) /162/
(Prerequisite—GVPT 170)
0101 MTuThF 11.00 Q 211 Levine

GVPT 475
The Presidency and The Executive Branch (03) /175/
(Prerequisite—GVPT 170)
0101 MTuThF 9.30 Q 211 King

GVPT 780
Seminar in The Comparative Study of Politics (03) /290/
0101 TuF 12.30-3 RR 003 Oliver

GVPT 799
Master's Thesis Research (1-6 Var Cr) /399/
0101 Arranged Staff

GVPT 808
Functional Problems in International Relations—
Selected Topics (03) /203/
0101 MTh 7.00-9.45 Q 504 McNelly

GVPT 818
Problems of Public Administration (03) /213/
0101 MTh 7.00-9.45 Q 369 Dillon

GVPT 842
Man and The State (03) /242/
0101 Tu F 3.00-5.30 Q 369 Byrd

GVPT 857
Seminar in American Foreign Relations (03) /206/
0101 TuF 12.30-3 Q 369 Plischke

GVPT 869
Seminar in Urban Administration (03) /218/
0101 MTh 3.00-5.30 Q 369 Glendening

GVPT 878
Problems in American Government and Politics (03) /261/
0101 MTh 12.30-3.00 Q 369 Hathorn

GVPT 888
Seminar in Comparative Governmental Institutions—
Selected Topics (03) /208/
0101 MTh 12.30-3.00 RR 003 Hsueh

GVPT 898
Readings in Government and Politics (03) /398/
0101 Arranged Staff

GVPT 899
Doctoral Thesis Research (1-6 Var Cr) /499/
0101 Arranged Staff

INFORMATION SYSTEMS MANAGEMENT

IFSM 401
Electronic Data Processing (03) /101/
(Prerequisite—Junior standing and Math 111)
0101 MTuThF 9.30 Q 006 Testa

IFSM 402
Electronic Data Processing Applications (03) /102/
(Prerequisite—IFSM 401 or Consent of Instructor)
0101 MTuThF 11.00 Q 006 Testa

JOURNALISM

JOUR 200
Introduction to Journalism (03) /010/
0101 MTuWThF 8.00 G 309 Grunig
(Prerequisite to other courses in department)

JOUR 201
Writing For The Mass Media (03) /011/
0101 MTuWThF 11.00 G 304 Petrick
(Prerequisites—Jour 010, C average in English and typing ability)

JOUR 310
News Editing (03) /160/
0101 MTuWThF 11.00 G 305 Crowell
(Prerequisite—Jour 201)

JOUR 320
News Reporting (03) /100/
0101 MTuWThF 9.30 G 304 Brown
(Prerequisite—Jour 201 and typing ability)

JOUR 330
Public Relations (03) /166/
0101 MTuWThF 11.00 G 204 Midura
(Prerequisite—Jour 201)

JOUR 350
News Photography (03) /181/
0101 MTuWThF 9.00-11.00 G 208 Geraci
(Prerequisite—Jour 201)

JOUR 371
Magazine Article and Feature Writing (03) /165/
0101 MTuWThF 12.30 G 204 Flippen
(Prerequisite—Jour 201)

JOUR 600
Research Methods in Mass Communication (03)
0101 MTuWThF 9.30 G 204 Martin

COLLEGE OF EDUCATION

EDUCATION ADMINISTRATION, SUPERVISION AND CURRICULUM

EDAD 499A
Workshop On Human Relationships in Education (06) /189A/
(Meets at John F. Kennedy Senior High School)

0101	MTuWThF 9.00-3.30			Newell

EDAD 602
The Junior College (03)

0101	MTuThF 12.30	A	043	Kelsey

EDAD 603
Problems in Higher Education (03)

0101	MTuThF 2.00	RR	021	Kelsey

EDAD 610
The Organization and Administration of Public Education (03) /210/

0101	MTuThF 9.30	AA	008	McLoone
0201	TuTh 7.00-9.50	OO	321	Goldman

EDAD 611
Organization and Administration of Secondary Schools (03) /211/

0101	MTuThF 9.30	OO	321	Anderson, J.P.

EDAD 612
School Finance and Business Administration (03) /212/

0101	MTuThF 11.00	FF	007	McLoone

EDAD 616
Public School Supervision (03) /216/
0101 MTuThF 8.00 FF 007 Anderson, J.P.

EDAD 617
Administration and Supervision in The Elementary School (03) /217/
0101 MTuThF 11.00 OO 321 Bennett

EDAD 625
School Public Relations (03) /225/
0101 MTuWThF 8.00 OO 026 Van Zwoll

EDAD 634
The School Curriculum (03) /234/
0101 MTUWThF 9.30 OO 303 Hovet

EDAD 635
Principles of Curriculum Development (03) /235/
0101 MTuThF 8.00 OO 321 Bennett

EDAD 679
Seminar in Educational Administration and Supervision (03) /249/
0101 TuTh 3.30-5.30 OO 321 Goldman

EDAD 727
Public School Personnel Administration (03) /227/
0101 MTuWThF 9.30 OO 312 Van Zwoll

EDAD 799
Master's Thesis Research (1-6 Var Cr) /399/
0101 Arranged Staff

EDAD 899
Doctoral Thesis Research (1-6 Var Cr) /499/
0101 Arranged Staff

EDUCATION COUNSELING AND PERSONNEL SERVICES

EDCP 410
Introduction to Counseling and Personnel Services (03) /161/
0101 MTuWThF 8.00 OO 028 Haugen
0201 MTuWThF 9.30 AA 014 Speilbichler
0301 MTuWThF 11.00 AA 014 Stockdale
0401 MTuWThF 9.30 AA 016 Gump

EDCP 411
Mental Hygiene in The Classroom (03) /172/
0101 MTuWThF 8.00 AA 014 Stockdale
0201 MTuWThF 12.30 OO 028 Haugen

EDCP 470
Introduction to Student Personnel (03) /200/
0101 MTuWThF 9.30 FF 007 Staff

EDCP 489
Field Experience in Counseling and Personnel Services (1-4 Var Cr) /187/
(See EDUC 489A for description)
0101 Arranged Staff

EDCP 498
Special Problems in Counseling and Personnel Services (1-3 Var Cr) /188/
(See EDUC 498 for description)

0101	Arranged			Staff

EDCP 499A
Group Counseling (03) /189A/

0101	MTuWThF 11.00	AA	016	Gump

EDCP 611
Occupational Choice Theory and Information (03) /243/

0101	MTuWThF 9.30	TH	117	Byrne
0201	MTuWThF 8.00	FF	018	Rhoads

EDCP 614
Personality Theories in Counseling and Personnel Services (03) /249/

0101	MTuWThF 8.00	OO	301	Greenberg
0201	MTuWThF 11.00	OO	301	Greenberg

EDCP 615
Cases in Appraisal (03) /250/

0101	MTuWThF 8.00	FF	016	Shore
0201	MTuWThF 11.00	FF	016	Rhoads

EDCP 616
Counseling—Theoretical Foundations and Practice (03) /260/

0201	MTuWThF 9.30	FF	020	Stern

EDCP 619
Practicum in Counseling (02) /261/

0101	MTuWThF 8.00	OO	125	Stern
0201	MTuWThF 11.00	OO	307	Speilbichler
0301	MTuWThF 8.00	OO	303	Collins

EDCP 645
Counseling in The Elementary Schools (03) /265/

0101	MTuWThF 11.00	OO	301	Collins

EDCP 655
Organization and Administration of Personnel Services (02) /254/

0101	MTuWThF 11.00	FF	021	Staff

EDCP 656
Counseling and Personnel Services Seminar (02) /271/

0101	MTuWThF 12.30	OO	321	Byrne

EDCP 798
Special Problems in Counseling and Personnel Services (1-6 Var Cr) /288/
(See EDUC 798 for description)

0101	Arranged			Staff

EDCP 799
Master's Thesis Research (1-6 Var Cr) /399/

0101	Arranged			Staff

EDCP 888
Apprenticeship in Counseling and Personnel Services
(1-9 Var Cr) /224/
(See EDUC 888A for Description)
0101 Arranged Staff

EDCP 889
Internship in Counseling and Personnel Services (3-16 Var Cr) /287/
(See EDUC 889A for Description)
0101 Arranged Staff

EDCP 899
Doctoral Thesis Research (1-6 Var Cr) /499/
0101 Arranged Staff

EDUCATION, EARLY CHILDHOOD - ELEMENTARY

EDEL 303
Activities and Materials in Early Childhood Education (03) /115/
0101 MTuWThF 11 OO 105 Stant

EDEL 321
Curriculum and Instruction—Early Childhood (03) /140B/
0101 MTuWThF 12.30 OO 105 Staff

EDEL 401
Science In Early Childhood Education (03)
0103 MTuWThF 9.30 OO 210 Williams

EDEL 402
Science In The Elementary School—Elementary (03) /105B/
0101 MTuWThF 9.30 OO 024 Dietz
0201 MTuWThF 12.30 OO 024 Dietz

EDEL 404
Language Arts in Early Childhood Education (03)
0101 MTuWThF 8 OO 127 Staff

EDEL 407
Social Studies in the Elementary School—Elementary (03) /122B/
0101 MTuWThF 8 T 201 Weaver
0201 MTuWThF 9.30 T 201 O'Neill
0301 MTuWThF 12.30 OO 225 Wirth

EDEL 410
The Child and the Curriculum—Early Childhood (03) /123A/
0101 MTuWThF 9.30 OO 105 Stant

EDEL 412
Art in the Elementary School (03) /125/
(Enrollment Limited to 25)
0101 MTuWThF 8 T 102 Longley

EDEL 413
Mathematics in the Elementary School—Early Childhood (03) /126A/
0101 MTuWThF 8 FF 017 Martin

EDEL 414
Mathematics in the Elementary School—Elementary (03) /126B/
0101 MTuWThF 9.30 FF 017 Hutchings
0201 MTuWThF 11 FF 017 Hutchings

EDEL 426
The Teaching of Reading (03) /153B/
0101 MTuWThF 9.30 FF 018 Herman
0201 MTuWThF 11.00 FF 019 Hall

EDEL 430
Corrective—Remedial Reading Instruction (03) /EDUC 157/
0101 TuTh 7-9.45 OO 105 Sullivan
0201 Arranged Staff

EDEL 431
Laboratory Practices In Reading (03) /EDUC 155/
0101 Arranged Staff

EDEL 498
Special Problems in Education (1-3 Var Cr) /188/
Prerequisite—Consent of Instructor. Course cards must have the title of the problem and the name of the instructor who approved it.
0101 Arranged Staff

EDEL 499G
Workshop for Teachers of Elementary School Mathematics (06) /189G/
(Open Only to Participants in the NSF—CCSS Program)
0101 Arranged Staff

EDEL 499K
European Travel Seminar (06) /189K/
0101 Arranged O'Donnell

EDEL 600
Seminar in Elementary Education (03) /200/
0101 MWF 11 FF 018 O'Neill

EDEL 601
Problems in Teaching Science in Elementary Schools (03) /205/
0101 MTuWThF 11 OO 210 Williams

EDEL 607
Problems of Teaching Social Studies in Elementary School (03) /222/
0101 MTuWThF 8.00 OO 225 Herman
0201 MTuWThF 9.30 OO 225 Weaver

EDEL 615
Diagnosis and Remediation of Arithmetic Disabilities (03) /227/
(Prerequisite—EDEL 313 or 314 and EDUC 410 or equivalent)
0101 MTuWThF 8 OO 227 Ashlock

EDEL 626
Problems in the Teaching of Reading in the Elementary School (03) /253/
0101 MTuWThF 8 OO 105 Hall

EDEL 630
Diagnosis and Remediation of Reading Disabilities (03) /EDUC 257/
0101 Arranged Sullivan

EDEL 631
Advanced Laboratory Experiences In Reading (03) /EDUC 255/
0101 Arranged Wilson

EDEL 632
Advanced Laboratory Experiences In Reading (03) /EDUC 256/

0101	Arranged			Brigham
0201	Arranged			Wilson

EDEL 798
Special Problems in Education (1-6 Var Cr) /288/
Prerequisite—Consent of Instructor. Course cards must have the title of the problem and the name of the instructor who approved it.

0101	Arranged			Staff

EDEL 799
Master's Thesis Research (Cr Arr) /399/

0101	Arranged			Staff

EDEL 899
Doctoral Thesis Research (Cr Arr) /499/

0101	Arranged			Staff

EDUCATION, HUMAN DEVELOPMENT

EDHD 312
Scientific Concepts in Human Development I (08) /112/
(Meets June 21-July 9)

0101	MTuWThF 12.30-3	OO	026	Hatfield
0201	MTuWThF 12.30-3	T	102	Green
0301	MTuWThF 12.30-3	T	203	Hunt
0401	MTuWThF 12.30-3	OO	301	Bowie

EDHD 313
Laboratory In Behavior Analysis I (03) /113/
(Meets July 12-July 30)

0101	MTuWThF 12.30-3	RR	023	Goering

EDHD 314
Scientific Concepts in Human Development II (03) /114/
(All Sections Meet July 12-July 30)

0101	MTuWThF 12.30-3	OO	026	Bolea
0201	MTuWThF 12.30-3	T	102	Hatfield
0301	MTuWThF 12.30-3	T	203	Gardner
0401	MTuWThF 12.30-3	OO	301	Rogolsky
0501	MTuWThF 12.30-3	TH	117	Bowie

EDHD 411
Child Growth and Development (03) /108/

0101	MTuWThF 9.30	O	240	Huebner

EDHD 413
Adolescent Development (03) /105/

0101	MTuWThF 8	OO	126	Kurtz
0201	MTuWThF 9.30	O	236	Gardner

EDHD 445
Guidance of Young Children (03) /145/

0101	MTuWThF 8	FF	021	Davidson
0201	MTuWThF 11	OO	125	Davidson

EDHD 460
Educational Psychology (03) /160/

0101	MTuWThF 9.30	OO	126	Milhollan

EDHD 498
Special Problems in Education (1-3 Var Cr) /188/

0101	Arranged			Staff

EDHD 499C
Workshop—Application of Human Development Principles (02) /189C/
(Meets August 2-August 13)

0101	MTuWThF 8-12			Goering

EDHD 499K
Workshop—Educational Leadership (02) /189K/
(Meets June 7-June 18)

0101	MTuWThF 8-12			Goering

EDHD 600
Introduction to Human Development and Child Study (03) /200/
Sections 0101, 0201, 0301 meet June 23-July 30
Sections 0401, 0501, 0601 meet June 23-August 13

0101	MTuWThF 8	TH	117	Flatter
0201	MTuWThF 9.30	F	118	Matteson
0301	MTuWThF 11	OO	303	Kurtz
0401	TuTh 7 P.M.	OO	303	Morgan
0501	TuTh 7 P.M.		Baltimore Campus*	Hunt
0601	TuTh 7 P.M.	OO	301	Kyle

*Registration at College Park Essential

EDHD 601
Biological Bases of Behavior (03) /201/

0101	MTuWThF 8	OO	030	Chapin
0201	MTuWThF 11	TH	117	Chapin

EDHD 602
Social Bases of Behavior (03) /202/
Sections 0101, 0201 meet June 23-July 30
Section 0301 meets June 23-August 13

0101	MTuWThF 8	GG	001	Matteson
0201	MTuWThF 9.30	OO	030	Rogolsky
0301	TuTh 7 P.M.		Baltimore Campus*	Rogolsky

*Registration at College Park Essential

EDHD 603
Integrative Bases of Behavior (03) 203/

0101	MTuWThF 11	F	117	Green

EDHD 612
Advanced Scientific Concepts in Human Development I (03) /212/
(Meets June 21-July 9)

0101	MTuWThF 12.30-3	OO	026	Hatfield
0201	MTuWThF 12.30-3	T	102	Green
0301	MTuWThF 12.30-3	T	203	Hunt
0401	MTuWThF 12.30-3	OO	301	Bowie

EDHD 613
Advanced Laboratory in Behavior Analysis I (03) /213/
(Meets July 12-July 30)

0101	MTuWThF 12.30-3	RR	023	Goering

EDHD 614
Advanced Scientific Concepts in Human Development II (03) /214/
(All Sections Meet July 12-July 30)

0101	MTuWThF 12.30-3	OO	026	Bolea
0201	MTuWThF 12.30-3	T	102	Hatfield
0301	MTuWThF 12.30-3	T	203	Gardner
0401	MTuWThF 12.30-3	OO	301	Rogolsky
0501	MTuWThF 12.30-3	TH	117	Bowie

EDHD 710
Affectional Relationships and Processes in Human Development (03) /210/

0101	MTuWThF 8	OO	307	Kyle

EDHD 711
Peer Culture and Group Processes in Human Development (03) /211/

0101	MTuWThF 9.30	F	117	Flatter

EDHD 721
Learning Theory and the Educative Process I (03) /221/
Sections 0101, 0201, 0301 meet June 23-July 30
Section 0401 meets June 23-Aug. 13

0101	MTuWThF 8	AA	016	Milhollan
0201	MTuWThF 9.30	C	080	Ansello
0301	MTuWThF 11	C	080	Ansello
0401	TTh 7 P.M.	OO	301	Bolea

EDHD 722
Learning Theory and the Educative Process II (03) /222/

0101	MTuWTHF 11	T	010	Eliot

EDHD 779
Seminar in Special Topics in Human Development (03) /270/

0101	MTuWThF 11	OO	030	Huebner

EDHD 798
Special Problems in Education (1-6 Var Cr) /288/
(See EDUC 798 for Description)

0101	Arranged	Morgan

EDHD 799
Master's Thesis Research (1-6 Var Cr) /399/

0101	Arranged	Morgan

EDHD 899
Doctoral Thesis Research (1-6 Var Cr) /499/

0101	Arranged	Staff

EDUCATION, INDUSTRIAL

EDIN 102
Woodworking I (03) /002/

0101	MTuWThF 11	P	210	White

EDIN 112
Shop Calculations (03) /012/

0101	MTuWThF 9.30	P	205	Stough

EDIN 122
Woodworking II (03) /022/
0101 MTuWThF 12.30 P 210 White

EDIN 127
Electricity-Electronics I (03) /028/
0101 MTuWThF 8 P 206 Bradley

EDIN 133
Automotives (03) /033/
0101 MTuWThF 8 P 104 Cooksey

EDIN 184
Organized and Supervised Work Experience (03) /084/
(Professors—Campbell, Gelina, Gettle, DuVall)
0101 Arranged Staff

EDIN 243
Automotives II (03) /043/
0101 MTuWThF 11 P 104 Cooksey

EDIN 247
Electricity-Electronics II (03) /048/
0101 MTuWThF 9.30 P 206 Bradley

EDIN 324
Organized and Supervised Work Experience (03) /124/
(Professors—Campbell, Crosby, Gelina, Tierney)
0101 Arranged Staff

EDIN 350
Methods of Teaching (03) /050/
(Sections 0101 and 0201 T and I Workshop Only)
0101 MTuThF 8 P 103 Staff
0201 MTuThF 9.30 P 103 Staff
0301 MTuThF 11 P 103 Staff

EDIN 450
Training Aids Development (03) /150/
0101 MTuWThF 8 P 304 Beatty

EDIN 457
Tests and Measurements (03) /157/
0101 MTuWThF 8 P 208 Stough

EDIN 464
Laboratory Organization and Management (03) /164/
(Sections 0101 and 0201 T and I Workshop Only)
0101 MTuThF 9.30 P 110 Anderson
0201 MTuThF 11 P 110 Anderson
0301 MTuThF 8 P 110 Gettle

EDIN 465
Modern Industry (03) /165/
0101 MTuWThF 11 P 304 Harrison

EDIN 466
Educational Foundations of Industrial Arts (03 /166/
0101 MTuWThF 9.30 P 208 Beatty

EDIN 467
Problems in Occupational Education (03) /167/
0101 MTuWThF 8 P 205 Chambliss

EDIN 469
Occupational Analysis and Course Construction (03) /169/
(Sections 0101 and 0201 for T plus I Workshop Only)

0101	MTuThF 8	P	302	Staff
0201	MTuThF 9.30	P	302	Staff
0301	MTuThF 11	P	302	Staff

EDIN 471
History and Principles of Vocational Education (03) /171/

0101	MTuWThF 9.30	P	201-A	Luetkemeyer

EDIN 475
Recent Technological Developments in Products and Processes (03) /175/

0101	MTuThF 11	P	205	Crosby

EDIN 487
Field Experience in Education (1-4 Var Cr) /187/
(See EDUC 489 for Description)

0101	Arranged			Staff

EDIN 488
Special Problems in Education (1-3 Var Cr) /188/
(See EDUC 498 for Description)

0101	Arranged			Staff

EDIN 489D
Workshop in Vocational Education (1-6 Var Cr) /189D/

0101	W 9.30	P	206	Duvall
0201	W 1.30	P	206	Duvall
0301	W 8.00	P	306	Duvall

EDIN 489R
Trade Advancement Workshop (1-6 Var Cr) /189R/

0101	Arranged			Staff

EDIN 607
Philosophy of Industrial Arts Education (03) /207/

0101	MTuWThF 11	P	201-A	Leutkemeyer

EDIN 616
Supervision of Industrial Arts (03) /216/

0101	MTuWThF 9.30	P	201-A	Tierney

EDIN 641
Content and Method of Industrial Arts (03) /241/

0101	MTuWThF 8	P	304	Maley

EDIN 642
Coordination of Work-Experience Programs (03) /242/

0101	MTuWThF 9.30	P	114	Chambliss

EDIN 650
Teacher Education in Industrial Arts (03) /250/

0101	MTuWThF 8	P	201-A	Harrison

EDIN 798
Special Problems in Education (1-6 Var Cr) /288/
(See EDUC 798 for Description)

0101	Arranged			Staff

EDIN 799
Master's Thesis Research (1-6 Var Cr) /399/

0101	Arranged			Staff

EDIN 899
Doctoral Thesis Research (1-6 Var Cr) /499/
0101 Arranged Staff

EDUCATION, MEASUREMENT AND STATISTICS

All courses in measurement and statistics are offered on a seven-week basis with the second, fourth, and sixth Wednesday classes not held.

EDMS 446
Quantitative Research Methods I (03)

0101	MTuWThF	8	FF	019	Bates
0102	MTuWThF	8	OO	222	Johnson
0103	MTuWThF	9.30	OO	026	Stunkard
0104	MTuWThF	9.30	T	203	Hamilton
0105	MTuWThF	11	FF	020	Vogt
0106	MTuWThF	11	OO	223	Hamilton
0107	MTuWThF	11	OO	222	Kruglich
0108	MTuWThF	12.30	OO	312	Kruglich
0109	MTuWTh	8.30-9.50 pm	J	010	Rogers

EDMS 446A
Quantitative Research Methods I (03)
Content Covers Material Formerly Presented in EDUC 146 and EDUC 246. Concurrent Registration in EDMS 646A Required.
0101 MTuWThF 9.30-12.30 J 006 Schafer

EDMS 451
Statistical Methods in Education (03)

0101	MTuWThF	11	FF	021	Dayton
0102	TuTh	7-9.50	O	307	Bates

EDMS 489
Field Experience in Education—Measurement and Statistics (1-4 Var Cr)
0101 Arranged Staff

EDMS 498
Special Problems in Education—Measurement and Statistics (1-3 Var Cr)
0101 Arranged Staff

EDMS 622
Measurement in Pupil Appraisal (03)
0101 MTuWThF 9.30 OO 307 Giblette

EDMS 646
Quantitative Research Methods II (03)

0101	MTuWThF	11	GG	150	Stunkard
0102	MTuWThF	12.30	OO	307	Vogt

EDMS 646A
Quantitative Research Methods II (03)
Content Covers Material Formerly Presented in EDUC 146 and EDUC 246.
Concurrent Registration in EDMS 446A Required.
0101 MTuWThF 9.30-12.30 J 006 Schafer

EDMS 651
Intermediate Statistics in Education (03)
0101 MTuWThF 12.30 OO 223 Rogers

EDMS 780
Research Methods and Materials (03)
0101 MTuWThF 9.30 OO 222 Johnson

EDMS 789
Special Problems in Education (1-6 Var Cr)
0101 Arranged Staff

EDMS 799
Master's Thesis Research (Cr Arr)
0101 Arranged Staff

EDMS 879
Doctoral Seminar (01)
0101 M 1-3.30 OO 222 Dayton
0102 Tu 1-3.30 OO 222 Dayton
0103 W 1-3.30 OO 222 Giblette

EDMS 888
Apprenticeship in Measurement and Statistics (1-9 Var Cr)
0101 Arranged Staff

EDMS 889
Internship in Measurement and Statistics (3-16 Var Cr)
0101 Arranged Staff

EDMS 899
Doctoral Thesis Research (Cr Arr)
0101 Arranged Staff

EDUCATION, SECONDARY

EDSE 330

Principles and Methods of Secondary Education (03) /145/
0101 MTuWThF 8 OO 036 Adkins
0201 MTuWThF 8 NN 320 Bialek
0301 MTuWThF 12.30 OO 125 Quigley

EDSE 340
Curriculum, Instruction, and Observation-Art (03) /140A/
0101 MTuWThF 11 NN 314 Longley

EDSE 403
Problems in Teaching Office Skills (03) /101/
(Taught in Conjunction with Typewriting Demonstration Laboratory)
0101 MTuThF 11 OO 401 O'Neill

EDSE 404
Basic Business Education in the Secondary Schools (03) /104/
0101 MTuWThF 8 OO 401 Staff

EDSE 415
Financial and Economic Education (03) /114/
0101 MTuWThF 8.30-3.30 MM 304 Anderson

EDSE 416
Financial and Economic Education (03) /115/
0101 MTuWThF 8.30-3.30 MM 304 Anderson

EDSE 423C
Field Experiences—Distribution (03) /123/
Supervised Work Experiences in a Distributive Occupation to Apply Theory of Distribution to the Function of Distribution as a Basis for Vocational Teaching and Guidance. By Individual Arrangement with the Advisor.
0101 Arranged Staff

EDSE 425
Problems in Teaching Home Economics (03) /125/
0101 MTuWThF 9.30 OO 312 Brabble

EDSE 430
Corrective—Remedial Reading Instruction (03)
0101 TuTh 7-9.45 P.M. OO 105 Sullivan
0201 Arranged Staff

EDSE 431
Laboratory Practice In Reading (2-4 Var Cr)
0101 Arranged Staff

EDSE 440
Methods of Teaching English in Secondary Schools (03) /141/
0101 MTuWThF 2 OO 126 Quigley

EDSE 442
Teaching the Audio-Lingual Skills in the Foreign Languages (03) /142/
0101 MTuWThF 2 OO 220 Flores

EDSE 444
Methods of Teaching Mathematics in Secondary Schools (03) /137/
0101 MTuWThF 2 OO 312 Davidson

EDSE 446
Methods of Teaching Science in Secondary Schools (03) /138/
0101 MTuWThF 8 OO 210 Staff

EDSE 447
Methods of Teaching Social Studies in Secondary Schools (03) /133/
0101 MTuWThF 2 OO 225 Wirth

EDSE 453
The Teaching of Reading in Secondary School (03) /153/
0101 MTuWThF 11 OO 127 Staff

EDSE 498
Special Problems in Education (1-3 Var Cr) /188/
(See EDUC 488 for Description)
0101 Arranged Staff

EDSE 499B
Workshop for Teachers of Disadvantaged Youth (03) /189/
(Meets June 21 to July 9)
0101 MTuWThF 9.30-3.30 F 111 Bialek

EDSE 499D
Workshop in Team Teaching (03) /189/
(Meets June 21 to July 9)
0101 MTuWThF 9.30-3.30 GG 001 Funaro

EDSE 499L
Workshop—Curriculum Development and Instruction in Family Life Education (03) /189/
(Meets July 12 to July 30)
0101 MTuWThF 9.30-3.30 GG 001 Lemmon

EDSE 499M
Home Economics Education Workshop (03) /189M/
(Meets June 21-July 9)
0101 MTuWThF 9.30-3.30 GG 010 Green

EDSE 499P
Workshop in Distributive Education (03) /189P/
(Meets July 12-July 30)
0101 MTuWThF 8.30-3.30 GG 010 Staff

EDSE 499R
Workshop—Interpersonal Communication and Human Relations In the Classroom (03) /189/
(Meets July 12-July 30)
0101 MTuWThF 9.30-3.30 F 111 Funaro

EDSE 499Y
Workshop in Ethnic Studies (03)
0101 MTuWThF 9.30-3.30 AR 006 Adkins, Gantt

EDSE 600
Administration and Supervision of Business Education (03)
0101 MTuWThF 9.30 OO 401 Peters

EDSE 605
Principles and Problems of Business Education (03) /255/
0101 MTuWThF 11 OO 401 Peters

EDSE 626
Problems of Teaching Reading in Secondary Schools (03)
0101 MTuWThF 11 AA 012 Brigham

EDSE 630
Diagnosis and Remediation of Reading Disabilities (03)
0101 Arranged Sullivan

EDSE 631
Advanced Laboratory Experiences in Reading (03)
0101 Arranged Wilson

EDSE 632
Advanced Laboratory Experiences in Reading (03)
0101 Arranged Brigham
0201 Arranged Wilson

EDSE 644
Trends in Secondary School Curriculum—English (03) /240A/
0101 MTuWThF 11 AR 002 Woolf

EDSE 645
Trends in Secondary School Curriculum—Foreign Languages (03) /240E/
0101 MTuWThF 12.30 OO 030 Flores

EDSE 798
Special Problems in Education (1-6 Var Cr) /288/
(See EDUC 798 for Description)
0101 Arranged Staff

EDSE 799
Master's Thesis Research (1-6 Var Cr) /399/
0101 Arranged Staff

EDSE 822
Seminar in Computer Assisted Instruction (03) /247M/
0101 MTuWThF 9.30 AA 012 Walbesser

EDSE 826
Seminar in Home Economics Education (03) /247H/
0101 MTuWThF 8 OO 312 Brabble

EDSE 899
Doctoral Thesis Research (1-6 Var Cr) /499/
0101 Arranged Staff

EDUCATION, SPECIAL

EDSP 470
Introduction to Special Education (03) /170/
0101 MTuWThF 8 OO 220 Staff
0201 MW 7 OO 220 Staff

EDSP 471
Characteristics of Exceptional Children—Mentally Retarded (03) /171A/
0101 MTuWThF 9.30 OO 125 Staff

EDSP 472
Education of Exceptional Children—Mentally Retarded (03) /172A/
0101 MTuWThF 11 AA 008 Staff

EDSP 473
Curriculum for Exceptional Children—Mentally Retarded (03) /173A/
0101 MTuWThF 8 AA 008 Staff

EDSP 475
Education of the Slow Learner (03) /175/
0101 MTuWThF 11 OO 220 Staff

EDSP 491
Charactertistics of Exceptional Children—Perceptual Learning Problems (03) /171C/
0101 MTuWThF 9.30 OO 301 Staff

EDSP 492
Education of Exceptional Children—Perceptually Impaired (03) /172C/
0101 MTuWThF 11 OO 026 Staff

EDSP 498
Special Problems in Education (1-3 Var Cr) /188/
(See EDUC 498 for Description)
0101 Arranged Staff

EDSP 600
Exceptional Children and Youth (03) /200/
0101 MTuWThF 8 AA 012 Staff

EDSP 610
Administration and Supervision of Special Education Programs (03) /210/
0101 MTuWThF 8 OO 223 Staff

EDUCATION

EDUC 300
Human Development and Learning (06) /110/
Section 0301 for in Service Teachers Only. Section 0101 and 0201 for Regular Undergraduate. Note—All 300 Classes Last 2 Hours and 20 Minutes and Meets for an Eight Week Period. Section 1 and 2 will Require Two off-campus Visits each Week for six Weeks. No other Morning Class Should be Elected.

0101	MTuWThF 8-10.50	Y	005	Bennett
0201	MTuWThF 9.30-12.20	Y	019	Hardy
0301	MTuWThF 9.30-12.20	Y	021	McDaniel

EDUC 301
Foundations of Education (03) /111/

0101	MTuWThF 8	OO	303	Hopkins
0201	MTuThF 8	RR	019	Lindsay
0301	MTuThF 8	TH	111	Male
0401	MTuWThF 9.30	TH	111	Hopkins
0501	MTuThF 9.30	OO	220	Lindsay
0601	MTuThF 9.30	OO	223	Staff
0701	MTuThF 11	O	236	Agre
0801	MTuThF 1	Z	071	Huden

EDUC 370
Introduction to Librarianship (03) /EDLS 120/

0101	TuTh 9.30-12.20	OO	028	Anderson

EDUC 372
Cataloging and Classification of Library Materials (03) /EDLS 126/

0101	WF 9.30-12.20	OO	028	Staff

EDUC 373
Library Materials for Children (03) /EDLS 130/

0101	MW 2-4.50	OO	030	Anderson

EDUC 375
School Library Administration and Service (03) /EDLS 128/

0101	TuTh 2-4.50	OO	030	Staff

EDUC 411
History of Education in the United States (03) /102/

0101	MTuThF 11	OO	036	Male

EDUC 420
Philosophy of Education (03) /107/

0101	MTuThF 9.30	OO	036	Agre

EDUC 430
Educational Sociology (03) /160/

0101	MTuThF 9.30	J	014	Huden

EDUC 440
Audio-Visual Education (03) /147/

0101	MTuWThF 8	OO	004	Staff
0201	MTuWThF 9.30	OO	004	Staff
0301	MTuWThF 11	OO	004	Staff
0401	MW 7-9.50	OO	004	Beckman

EDUC 442
Instructional Media Services (03) /148/

0101	MTuWThF 11	Y	001	Wedberg

EDUC 444
Programmed Instruction (03) /149/
0101 MTuWThF 9.30 Y 023 Perrin

The following two courses, EDUC 489A, B, have as prerequisites at least 6 semester hours in education at the University of Maryland plus such other prerequisites as may be set by the major area in which the experience is to be taken. Planned field experience may be provided for selected graduate students who have had teaching experience and whose application for such field experience has been approved by the education faculty. Field experience is offered in a given area to both majors and non-majors. The maximum number of credits which may be earned in EDUC 489, 888, and 889 is 20 sem hours.

EDUC 489A
Field Experience in Education—Adult Education (1-4 Var Cr) /187A/
0101 Arranged Staff

EDUC 489B
Field Experience in Education—Foundations (1-4 Var Cr) /187B/
0101 Arranged Staff

EDUC 498
Special Problem in Education (1-3 Var Cr) /188/
Prerequisite—Consent of Instructor. Available Only to Mature Students who Have Definite Plans for Individual Study of Approved Problems. Course Cards Must Have the Title of the Problem and the Name of the Faculty Member who has Approved it.
0101 Arranged Staff

EDUC 499A
Supervision of Student Teachers (03) /189A/
(Meets June 21-July 12)
0101 Arranged Hempstead

EDUC 499B
Workshop—Instructional Materials (03) /189B/
(Meets June 24-July 14)
0101 MTuWThF 1-4.30 OO 004 Chisholm, Beckman

EDUC 499J
Workshop in Music—Music Repertoire For Small Instrumental Ensembles (03) /189J/
(Meets June 21-July 9)
0101 MTuWThF 8-10.50 NN 116 Gallagher

EDUC 499S
Workshop in Music—Music For Today's Youth, With Emphasis On Special Needs of Urban Centers (03) /189J/
(Meets July 12-July 30)
0101 MTuWThF 12.30-3.20 NN 208 Staff

EDUC 798
Special Problems in Education (1-6 Var Cr) /288/
Master's Advanced Graduate Specialist, or Doctoral Candidates who desire to pursue Special Research Problems under the direction of their advisers may register for credit under this number. Course cards must have the title of the problem and the name of the faculty member under whom the work will be done.
0101 Arranged Staff

EDUC 799
Master's Thesis Research (1-6 Var Cr) /399/
0101 Arranged Staff

The following two courses, Apprenticeships in the Major Area of Study, are available to selected students whose application for an Apprenticeship has been approved by the Education Faculty
Prerequisites—Teaching experience a Master's Degree in Education, and at least six semester hours in Education at the University of Maryland.

EDUC 888A
Apprenticeship in Education—Adult Education (1-9 Var Cr) /224A/
0101 Arranged Staff

EDUC 888B
Apprenticeship in Education—Foundations (1-9 Var Cr) /224B/
0201 Arranged Staff

The following two courses, Internships in The Major Area of Study, are available to selected students who have teaching experience. These groups of students are eligible—(A) any student who has been advanced to candidacy for the Doctor's Degree, and (B) any student who receives special approval by the Education Faculty, provided that prior to taking an Internship, such student shall have completed at least 60 semester hours of Graduate Work, including at least 6 semester hours at this University. The Internship must be taken in a school situation different from the one where the student is regularly employed.

EDUC 889A
Internship in Education—Adult Education (3-6 Var Cr) /287A/
0101 Arranged Staff

EDUC 889B
Internship in Education—Foundations (3-6 Var Cr) /287B/
0101 Arranged Staff

EDUC 899
Doctoral Thesis Research (1-6 Var Cr) /499/
0101 Arranged Staff

MUSIC EDUCATION

MUED 438
Special Problems in The Teaching of Instrumental Music—Percussion (03) /176/
Prerequisite—Musc 113, 213 or the equivalent
Meets July 12-July 30
0101 MTuWThF 8-10.50 NN 116 Staff

MUED 450
Music in Early Childhood Education (03) /116/
Prerequisite—Musc 155. Meets July 12-July 30
0101 MTuWThF 9.30-12.20 NN 202 Shelley

MUED 470
Music in Secondary Schools (03) /132/
Meets June 21-July 9
0101 MTuWThF 12.30-3.20 NN 101 Shelley

MUED 472
Methods and Materials in Vocal Music For Secondary Schools (03) /175/
Meets June 21-July 9
0101 MTuWThF 9.30-12.20 NN 202 Staff

COLLEGE OF ENGINEERING

ENGINEERING, AEROSPACE

ENAE 371
Aerodynamics I (03) /101/
0101 MTuThF 8.00 J 244 Staff

ENAE 452
Flight Structures II (04) /114/
0101 MTuWThF 9.30 J 244 Staff

ENAE 457
Flight Structures III (03) /184/
0101 MTuThF 11.00 J 244 Staff

ENAE 488
Topics in Aerospace Engineering (1-4 Var Cr) /190/
0101 Arranged Staff

ENAE 799
Master's Thesis Research (Cr Arr) /399/
0101 Arranged Thomas

ENAE 899
Doctoral Thesis Research (Cr Arr) /499/
0101 Arranged Staff

ENGINEERING, CHEMICAL

ENCH 215
Chemical Engineering Analysis I (02) /015/
(Prerequisite—Consent of Department. Meets June 24-July 18)
0101 Arranged Gomezplata

ENCH 250
Chemical Engineering Analysis II (03) /050/
(Prerequisite—Consent of the Department. Meets July 20- Aug. 14)
0101 Arranged Gomezplata

ENCH 437
Chemical Engineering Laboratory (03) /137/
0101 Arranged Gomezplata

ENCH 468
Research (2-3 Var Cr) /165/
0101 Arranged Staff

ENCH 648
Special Problems in Chemical Engineering (03) /247A/
0101 Arranged Staff

ENCH 799
Master's Thesis Research (1-6 Var Cr) /399/
0101 Arranged Staff

ENCH 899
Doctoral Thesis Research (1-6 Var Cr) /499/
0101 Arranged Staff

ENGINEERING, CIVIL

ENCE 200
Fundamentals of Engineering Materals (03) /050/
(Prerequisite—ENES 220 or concurrent registration)
0101 MTuF 8-9/Th8-11 J 170 J 170 Staff

ENCE 280
Engineering Survey Measurements (03) /090/
Corequisite—Math 141 with Consent of Instructor. Open only to students enrolled in the College of Engineering. June 7-June 21.
0101 MTuWThF 8-5 J 154 Cournyn
0201 MTuWThF 8-5 J 156 Cournyn

ENCE 350
Fundamentals of Structural Analysis (03) /102/
0101 MTuThF 9 Piper

ENCE 360
Engineering Analysis and Computer Programming (03) /100/
0101 Arranged Staff

ENCE 370
Fundamentals of Transportation Engineering (03) /108/
0101 MTuThF 8 Staff

ENCE 489
Special Problems (03) /199/
0101 Arranged Staff

ENCE 799
Master's Thesis Research (1-6 Var Cr) /399/
0101 Arranged Staff

ENCE 899
Doctoral Thesis Research (1-6 Var Cr) /499/
0101 Arranged Staff

ENGINEERING, ELECTRICAL

ENEE 206
Curcuit Analysis I (04) /090/
Corequisite—Math 241, Phys 263, ENEE 207. Required of Sophomores in Electrical Engineering.
0101 MTuWThF 8.00 J 226 Staff

ENEE 207
Circuits Laboratory I (01) /091/
Corequisite—ENEE 206. Required of Sophomores in Electrical Engineering. First meeting Wednesday, June 24 in S-006.
0101 Arranged Staff

ENEE 306
Circuit Analysis II (04) /120/
0101 Arranged Staff

ENEE 307
Circuits Laboratory II (01) /121/
0101 Arranged Staff

ENEE 310
Electronics Circuits I (04) /122/
Prerequisite—ENEE 306. Required of Juniors in Electrical Engineering.
0101 MTuWThF 8.00 J 154 Staff

ENEE 311
Electronics Laboratory I (01) /123/
Corequisite—ENEE 310. Required of Juniors in Electrical Engineering. First meeting Wednesday, June 24, S Bldg. Laboratory fee $10.00.
0101 Arranged Staff

ENEE 320
Engineering Probability (02) /142/
Prerequisites—Math 241, ENEE 206. Required of Electrical Engineering Majors.
0101 MWF 8.00 J 122 Staff

ENEE 344
Introduction to Computers and Computation (03)
0101 MTuThF 11.00 Staff

ENEE 380
Engineering Electromagnetics I (03) /130/
Prerequisites—Math 241, Phys 263, ENEE 206, with an average of C or better in Math 241, Phys 262, 263 and ENEE 206. Required of Juniors in Electrical Engineering.
0101 MTuThF 9.30 J 154 Staff

ENEE 400
Network Synthesis (03 /150/
(Prerequisite—ENEE 306)
0101 MTuThF 8.00 J 134 Staff

ENEE 418
Projects in Electrical Engineering (1-3 Var Cr) /181/
Prerequisite—Senior standing in Electrical Engineering and approval of the proposed project by the instructor prior to registration.
0101 Arranged Staff

ENEE 425
Signal Analysis, Modulation and Noise (03) /158/
0101 MTuThF 9.30 Staff

ENEE 460
Feedback Control Systems (03) /154/
(Prerequisites—Math 264, ENEE 310)
0101 MTuThF 8.00 J 140 Staff

ENEE 488
Topics in Electrical Engineering (03) /180/
Special studies in Biomedical, Circuits, Communication, Computing, Control and Electrophysics.
0101 Arranged Staff

ENEE 620
Random Processes in Communication and Control (03) /218/
(Prerequisite—ENEE 425 or equivalent)
0101 MTuThF 8.00 J 236 Staff

ENEE 621
Estimation and Detection Theory (03) /219/
0101 MTuThF 3.30 Staff

ENEE 646
Digital Computer Design (03) /270/
0101 MTuThF 8.00 Staff

ENEE 655
Structure Theory of Machines (03) /263/
0101 MTuThF 3.30 Staff

ENEE 799
Master's Thesis Research (1-6 Var Cr) /399/
0101 Arranged Staff

ENEE 899
Doctoral Thesis Research (1-6 Var Cr) /499/
0101 Arranged Staff

ENGINEERING SCIENCE

ENES 101
Introduction to Engineering Science (03) /001/
(Prerequisite—Concurrent Math 115)
0101 M 8-10.50/TuTh 8 J 382 J 382 Puckett

ENES 110
Mechanics (03) /010/
(Prerequisite—ENES 101, Concurrent Math 141)
0101 MTuThF 8.00 J 378 Hayleck

ENES 220
Mechanics of Materials (03) /020/
0101 MTuThF 11.00 J 270 Staff

ENES 221
Dynamics (03) /021/
(Prerequisite—ENES 110, concurrent Math 240 and Phys 161)
0101 MTuThF 8.00 J 360 Cunniff

ENES 240
Algorithmic Analysis and Computer Programming (02) /080/
Corequisites—Math 240, ENES 243. Required of Sophomores in Electrical Engineering.
0101 MWF 9.30-10.50 J 226 Staff

ENES 243
Digital Computer Laboratory (01) /081/
Corequisite—ENES 240. Required of Sophomores in Electrical Engineering. First meeting Wednesday, June 24 J-128.
0101 Arranged Staff

ENGINEERING MATERIALS

ENMA 698
Special Problems in Engineering Materials (Cr Arr) /398/
0101 Arranged Staff

ENMA 799
Master's Thesis Research—Engineering Materials (1-6 Var Cr)
0101 Arranged Staff

ENMA 899
Doctoral Thesis Research (Cr Arr) /499/
0101 Arranged Staff

ENGINEERING, MECHANICAL

ENME 216
Thermodynamics I (03) /060/
(Prerequisite—Phys 262 and Math 240)
0101 MTuThF 9.30 J 360 Staff

ENME 321
Transfer Processes (03) /106/
0101 Arranged Sallet

ENME 340
Fluid Mechanics I (03) /102/
0101 Arranged Sayre

ENME 341
Gas Dynamics (03) /104/
0101 Arranged John

ENME 488
Special Problems (03) /166/
0101 Arranged Staff

ENME 788
Seminar (Cr Arr) /220/
0101 Arranged Staff

ENME 799
Master's Thesis Research (Cr Arr) /399/
0101 Arranged Staff

ENME 899
Doctoral Thesis Research (Cr Arr) /499/
0101 Arranged Staff

ENGINEERING, NUCLEAR

ENNU 648
Special Problems in Nuclear Engineering (2-3 Var Cr) /ENCH 314/
0101 Arranged Staff

ENNU 799
Master's Thesis Research (1-6 Var Cr) /ENCH 399B/
0101 Arranged Staff

ENNU 899
Doctoral Thesis Research—Nuclear Engineering (1-6 Var Cr) /ENCH 499B/
0101 Arranged Staff

GENERAL EDUCATION

GENERAL EDUCATION

GNED 260
Introduction to Interdisciplinary Urban Study (03) /060/
0101 MTuTh 12.30/Tu 2-4.50 MM 207 MM 413 Nikkel

COLLEGE OF HOME ECONOMICS

APPLIED DESIGN

APDS 101
Fundamentals of Design (03) /001/

0101	MTuWThF 8.00	H	101	Roper

APDS 210
Presentation Techniques (03) /010/

0101	MTuWThF 9.30	H	101	Roper

CRAFTS

CRAF 102
Recreational Crafts (02) /002/

0101	MTuWThF 9.30-11.30	H	005	Staff

CRAF 202
Creative Crafts (03) /102/

0101	MTuWThF 9.30-12.30	H	005	Staff

CRAF 220
Ceramics I—Material and Processes (03) /020/

0101	MTuWThF 9.30-11.30	H	102	Zimmerman
0201	MTuWThF 1.00	H	102	Zimmerman

CRAF 230
Metalry I (03) /030/
0101 MTuWThF 9.30 H 009 Nelson
0201 MTuWThF 1.00 H 009 Nelson

CRAF 320
Advanced Ceramics I (03) /120/
0101 MTuWThF 9.30 H 102 Zimmerman
0201 MTuWThF 1.00 H 102 Zimmerman

CRAF 330
Advanced Metalry I (02) /130/
0101 MTuWThF 9.30-12.30 H 009 Nelson
0201 MTuWThF 1.00 H 009 Nelson

CRAF 428
Individual Problems in Crafts—Ceramics (3-4 Var Cr) /190A/
Open only to advanced students who, with guidance, can work independently.
0101 Arranged Zimmerman

CRAF 438
Individual Problems in Crafts—Metalry (3-4 Var Cr) /190B/
Open only to advanced students who, with guidance, can work independently.
0101 Arranged Nelson

FAMILY & COMMUNITY DEVELOPMENT

FMCD 332
The Child in The Family (03) /132
0101 MTuWThF 2-3.20 HMC 001 Gaylin
(Prerequisite—PSYC 100)

FMCD 444
Resident Experience in Home Management (03 /144/
Prerequisites FMCD 250, 280, 341, or 343, Food 260 or Equivalents. Four weeks (June 21-July 16). Residence in HMC. Experience in planning, coordinating, and participating in activities of a household, composed of a faculty member and a group of students. Students not living in dormitories are billed at rate of $5 a week for a room in HM Residence. A charge of $40 for food plus supplies is assessed each student. Dormitory students will be refunded a prorated amount for meals. Reservations must be made a semester prior registration.
0101 Arranged HMC 001 Orvedal

FMCD 445A
Practicum With Families, Children, and Home Management (03) /145/
Planned, supervised experience in individual participaton and/or observation in Community Setting to Relate Theory to Practice. Limited to FMCD Majors who have had plans arranged and approved during spring term.
0101 Arranged Churaman

FMCD 445B
Practicum With Children (03) /145/
0101 Arranged Churaman

FMCD 445C
Practicum in Home Management and Consumer Studies (03) /145/
0101 Arranged Churaman

FMCD 485
Introduction To Family Counseling (03) /185/
Prerequisite—PSYC 100 and 235, FMCD 105 and 331 or equivalents.
This course meets July 12-30.
0101 MTuWThF 9-11.30 HMC Brown

FMCD 490F
Special Topic—Helping Families With Managerial and Consumer Problems (03) /190/
This workshop is designed to aid men and women who work in family-centered program in (1) clarifying key concepts in development and use of family resources and (2) designing approaches for helping families with consumer activities and task performance to meet family goals. Resource speakers will discuss alternative proposals for government income subsidies, legal aspects of consumer problems and the evaluation of family progress. Workshop meets June 21-July 17.
0101 MTuWThF 9-12.30 HMC Churaman

FOOD

FOOD 110
Food and Nutrition of Individiuals and Families (03) /005/
0101 MF 8/TuTh 8-10 H 309 H 222 Blyer

FOOD 490
Special Problems in Foods (03) /130/
0101 Arranged Prather

FOOD 799
Master's Thesis Research (1-6 Var Cr) /399/
0101 Arranged Staff

HOME ECONOMICS

HOEC 658
Special Topics in Housing and Applied Design (2-6 Var Cr) /290/
(Consent of Instructor)
0101 M 11/Arranged H 105 Staff

HOEC 678
Special Topics—Helping Families With Managerial and Consumer Problems (03) /290F/
0101 MTuWThF 9-12.30 HMC Churaman

HOEC 799
Master's Thesis Research (1-6 Var Cr) /399/
0101 Arranged Staff

HOUSING & APPLIED DESIGN

HSAD 499
Individual Study in Housing and/or Interior Design (3-4 Var Cr) /190/
(Consent of Instructor)
0101 M 10 Staff

INSTITUTION ADMINISTRATION

IADM 350
Practicum in Institution Administration (03) /140/
(Prerequisite—5 Credits in IADM)
0101 Arranged — Prather

IADM 490
Special Problems in Food Service (03) /130/
0101 Arranged — Prather

IADM 460
Administrative Dietetics (03) /181/
0101 Arranged — Prather

IADM 470
Administrative Dietetics (03) /182/
0101 Arranged — Prather

IADM 480
Applied Diet Therapy (03) /183/
0101 Arranged — Prather

IADM 799
Master's Thesis Research (1-6 Var Cr) /399/
0101 Arranged — Staff

NUTRITION

NUTR 490
Special Problems in Nutrition (03) /130/
0101 Arranged — Prather

NUTR 600
Recent Progress in Human Nutrition (03) /208/
0101 MTuThF 8.00 H 222 — Ahrens

NUTR 799
Master's Thesis Research (1-6 Var Cr) /399/
0101 Arranged — Staff

TEXTILES AND APPAREL

TXAP 221
Apparel I (03)
0101 MWF 1-4.30 H 132 — Pledger

TXAP 425
Apparel Design—Experimental Processes (03)
(Prerequisites TXAP 222 and TEXT 456)
0101 MWF 8.30-12 H 132 — Pledger

TXAP 799
Master's Thesis Research (1-6 Var Cr) /399/
0101 Arranged — Staff

SCHOOL OF LIBRARY AND INFORMATION SERVICES

LIBRARY SCIENCE

LBSC 610
Introduction To Reference and Bibliography (03) /202/

0101	MTuWThF 8-9	L	405	Warner
0201	MTuWThF 2-3	L	100B	Daniel

LBSC 615
Literature and Research in The Social Sciences (03) /215/

0101	MTuWThF 12-1	L	405	Warner
0201	MTuWThF 2-3	L	405	Holroyd

LBSC 636
Children's Literature and Materials (03) /222/

0101	MTuWThF 10-11	L	100B	MacLeod

LBSC 642
Organization of Knowledge in Libraries I (03) /206/

0101	MTuWThF 8-9	L	100A	Foskett
0201	MTuWThF 12-1	L	100B	Wilson

LBSC 644
Organization of Knowledge in Libraries II (03) /207/

0101	MTuWThF 11-12	L	405	Batty

LBSC 650
Fundamentals of Documentation (03) /208/
0101 MTuWThF 2-3 L 100A Wilson

LBSC 653
Construction and Maintenance of Index Languages (03) /224/
0101 MTuWThF 12-1 L 100A Wellisch

LBSC 656
Introduction To Information Retrieval Systems (03) /210/
0101 MTuWThF 8-9 L 100B Batty

LBSC 665
Problems of Special Materials (03) /235/
0101 MTuWThF 9-10 L 100B Foskett

LBSC 711
Programming Systems For Information Handling Applications (03) /232/
0101 MTuWThF 10-11 L 405M Soergel

LBSC 715
Library Systems Analysis (03) /234/
0101 MTuWThF 9-10 L 405M Kraft

LBSC 731
Library Administration (03) /211/
0101 MTuWThF 10-11 L 405 Holroyd

LBSC 743
Seminar in The Academic Library (03) /253/
0101 MTuWThF 1-2 L 405M Colson

LBSC 754
Seminar in The School Library (03) /264/
0101 MTuWThF 9-10 L 100A Liesener

LBSC 757
Library and Information Service Facilities—Objectives and Performance (03) /226/
0101 MTuWThF 11-12 L 100B Olson

LBSC 804
Communication and Libraries (03) /204/
0101 MTuWThF 11-12 L 100A Korotkin

LBSC 827
History of Libraries and Their Materials (03) /209/
0101 MTuWThF 10-11 L 100A Colson

LBSC 859
Independent Study (1-6 Var Cr) /290/
0101 Arranged Staff

LBSC 859F
Proseminar (03) /290F/
0101 MTuWThF 9-10/MTuWThF 1-2 L 405 L 100A Staff, Wellisch
0102 MTuWThF 9-10/MTuWThF 1-2 L 405 L 100B Staff, Daniel
0103 MTuWThF 9-10/MTuWThF 1-2 L 405 L 405 Staff, Reynolds

COLLEGE OF PHYSICAL EDUCATION, RECREATION AND HEALTH

HEALTH

HLTH 105
Science and Theory of Health (02) /005/

0101	MTuThF 8.00	AA	010	Staff
0201	MTuThF 9.30	AA	010	Staff
0301	MTuThF 2.00	Q	104	Staff
0401	MTuThF 3.30	Q	104	Staff

HLTH 150
First Aid (01) /050/

0101	MTuThF 9.30	GG	150	Raymond

HLTH 270
Safety Education (03) /070/

0101	MTuWThF 8.00	GG	150	Raymond

HLTH 365
Organization, Administration, and Supervision of School Safety Education (03) /165/

0101	MTuWThF 8.00	GG	202	Tompkins

HLTH 375
Problems in Driver Education and Traffic Safety Education (03) /175/

0101	MTuWThF 9.30	GG	202	Tompkins

HLTH 450
Health Problems of Children and Youth (03) /150/

0101	MTuWThF 11.00	AA	010	Miller

HLTH 488
Children's Physical Developmental Clinic (1-4 Var Cr) /188/
(Must have Junior standing and prior permission of instructor)
0101 Arranged Johnson

HLTH 489
Institute—Advancements in Health Science and Health Education (3-6 Var Cr) /189/
0101 MTuWThF 9-12 AR 018 Jones

HLTH 489D
Workshop—Curriculum Development in Driver and Traffic Safety (06) /189D/
0101 MTuWTh 7-9.30 GG 202 Clearwater

HLTH 489K
Workshop—Current Issues in Health Education (3-6 Var Cr) /189K/
First two weeks—Death Education and Suicide Behavior
Second two weeks—Drug Education
Third two weeks—Human Sex and Sex Education
0101 MTuWThF 9-3 AR 033 Sands, Leviton

HLTH 600
Seminar in Health (01) /200/
0101 Arranged Fraley

HLTH 688
Special Problems in Health Education (1-6 Var Cr) /288/
0101 Arranged Staff

HLTH 791
Curriculum Construction in Health Education (03) /291/
0101 MTuWThF 9.30 Q 504 Miller

HLTH 799
Master's Thesis Research (1-6 Var Cr) /399/
0101 Arranged Staff

HLTH 899
Doctoral Thesis Research (1-6 Var Cr) /499/
0101 Arranged Staff

PHYSICAL EDUCATION

The following four courses, PHED 097A-D, are not available for credit to PHED Majors. Non-Majors may use this credit to fulfill graduation requirements in Physical Education. Fee $6.00

PHED 097A
Physical Activities—Tennis (1-4 Var Cr) /010S/
0101 MTuThF 8 GG CTS Santa Maria

PHED 097B
Physical Activities—Tennis (1-4 Var Cr) /010S/
0101 MTuThF 9.30 GG CTS Santa Maria

PHED 097C
Physical Activities—Swimming (1-4 Var Cr) /010S/
0101 MTuThF 11 GG POOL Staff

PHED 097D
Physical Activities—Golf (1-4 Var Cr) /010S/
0101 MTuThF 9.30 GG Staff

PHED 400
Kinesiology (04) /100/
0101 MTuWThF 9.30/Arr. GG 309 Kelley

PHED 420
Physical Education For The Elementary School (03) /120/
0101 MTuWThF 9.30 GG 210 Humphrey

PHED 460
Physiology of Exercise (03) /160/
0101 MTuWThF 9.30 Clarke

PHED 480
Measurement in Physical Education (03) /180/
0101 MTuWThF 8.00 GG 210 Kelley

PHED 485
Motor Learning and Skilled Performance (03) /185/
0101 MTuWThF 9.30 Husman

PHED 489A
Perceptual Motor Workshop (03) /189A/
0101 MTuWThF 8.00 GG 010 Church

PHED 489B
Physical and Motor Development of The Adolescent (03) /189B/
0101 MTuWThF 11 GG 210 Santa Maria

PHED 496
Quantitative Methods (03) /196/
0101 MTuWThF 9.30 Stull

PHED 600
Seminar in Physical Education (01) /200/
0101 Arranged Fraley

PHED 602
Status and Trends in Elementary School Physical Education (03) /202/
0101 MTuWThF 11 GG 309 Humphrey

PHED 610
Methods and Techniques of Research (03) /210/
0101 MTuWThF 8.00 Arr. Stull

PHED 620
Analysis of Contemporary Athletics (03) /205/
0101 MTuWThF 8.00 Arr. Husman

PHED 663
History of Sport in Western Culture (03) /207/
0101 MTuWThF 11 Arr. Eyler

PHED 689
Special Problems in Physical Education (1-6 Var Cr) /288/
Master or Doctoral Candidates who desire to pursue special research problems under the direction of their advisors may register for 1-6 hours of credit under this number.
0101 Arranged Staff

PHED 789
Advanced Seminar—Exercise Physiology (03) /287/
0101 MTuWThF 11 Arr. Clarke

PHED 799
Master's Thesis Research (1-6 Var Cr) /399/
0101 Arranged Staff

PHED 899
Doctoral Thesis Research (1-6 Var Cr) /499/
0101 Arranged Staff

RECREATION

RECR 454
Outdoor Education (06) /184/
(Meets June 23-July 30)
0101 MTuWThF 9-3/Arr. Eley, Leedy

RECR 489
Field Laboratory Projects and Workshops (1-6 Var Cr) /189/
0101 Arranged Staff

RECR 600
Seminar in Recreation (01) /200/
0101 Tu 1.00 GG 202 Fraley

RECR 610
Methods and Techniques of Research (03) /210/
0101 MTuWThF 8.00 GG 309 Stull

RECR 688
Special Problems in Recreation (1-6 Var Cr) /288/
(Credit According to Work Assigned)
0101 Arranged Staff

RECR 799
Master's Thesis Research (1-6 Var Cr) /399/
0101 Arranged Staff

RECR 899
Doctoral Thesis Research (1-6 Var Cr) /499/
0101 Arranged Staff

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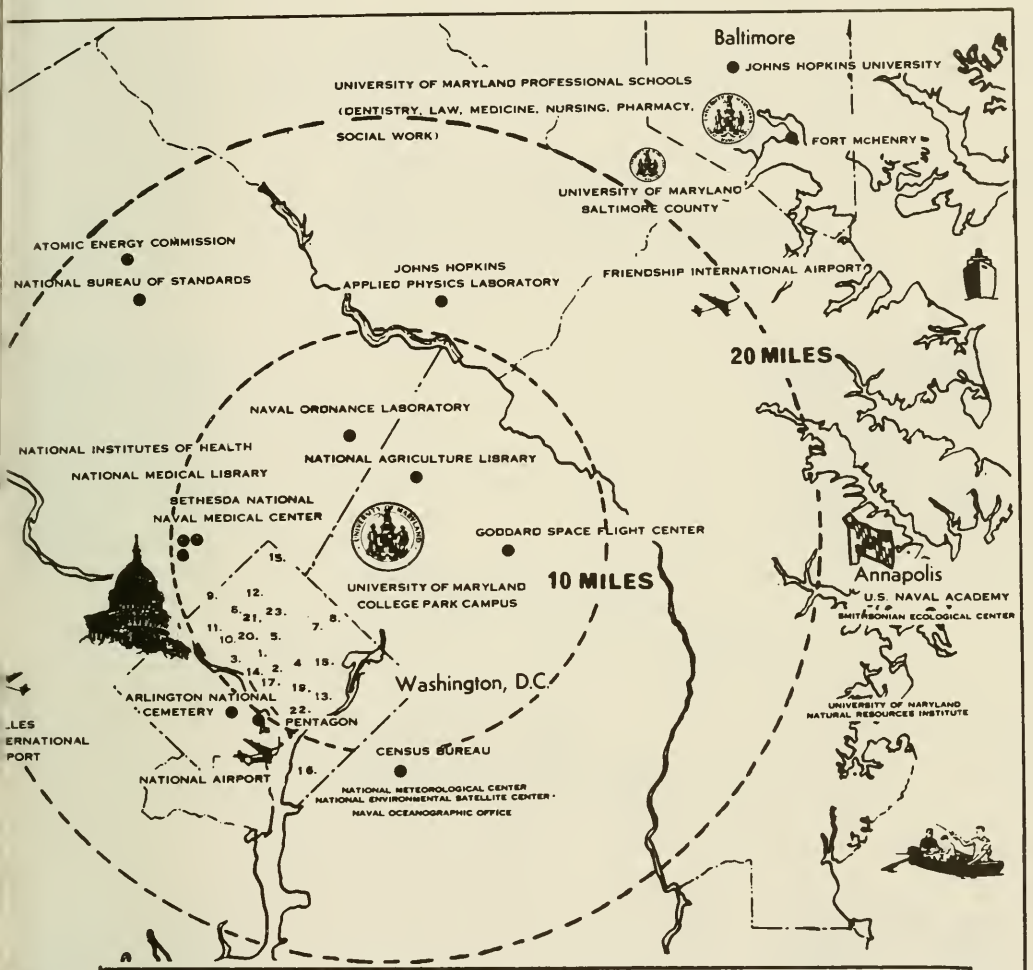
THE UNIVERSITY OF MARYLAND
ACADEMIC RESOURCES AND POINTS OF INTEREST



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3. NATIONAL MUSEUM OF SCIENCES AND TECHNOLOGY
4. U.S. CAPITAL
5. WHITE HOUSE
6. NAVAL OBSERVATORY
7. HOWARD UNIVERSITY
8. CATHOLIC UNIVERSITY
9. AMERICAN UNIVERSITY
10. GEORGE WASHINGTON UNIVERSITY
11. GEORGETOWN UNIVERSITY
12. NATIONAL ZOOLOGICAL PARK
13. LIBRARY OF CONGRESS
14. SMITHSONIAN INSTITUTION
15. WALTER REED ARMY MEDICAL CENTER
16. NAVAL RESEARCH LABORATORY
17. THE KENNEDY CENTER FOR THE PERFORMING ARTS
18. THE FOLGER SHAKESPEARE LIBRARY
19. THE FREER GALLERY
20. THE CORCORAN GALLERY
21. DUMBARTON OAKS
22. THE ARENA STAGE
23. THE ISLAMIC CENTER

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College Park, Maryland 20742

REQUEST FOR HOUSING APPLICATION

Please send me an application for accommodations in the residence halls for summer, 1971.

Student: PLEASE TYPE OR PRINT

NAME _____
Last First Middle

STREET ADDRESS _____
Number Street

_____
City State Zip Code

SUMMER 1971

Please send me an application for UNDERGRADUATE admission to the 1971 Summer School.

Undergraduate day students or graduate students who were registered on the College Park Campus with the University during the Spring Semester and who are in good academic standing at the end of the Spring Semester need only to appear for registration at the time indicated on page 7.

NAME _____
Please print

STREET ADDRESS _____

CITY _____ STATE _____ ZIP _____

SUMMER 1971

Please send me an application for admission to the Graduate School. I intend to begin graduate study with the 1971 summer session through the Summer School.

I understand that applications for the summer session must be received in the Graduate School by May 17, 1971 and that the application is not considered complete until two copies of all my transcripts have also been received in the Graduate School by that date.

NAME _____
Please print

STREET ADDRESS _____

CITY _____ STATE _____ ZIP _____

"This University must continue to be a place where the classics are studied and appreciated for their civilizing and humbling effects, where the best of culture is preserved and cherished, and where the course of the future is linked to the present by the best that can be drawn from history . . . Our purpose is to develop the intellect, not to close minds. Let us, then, cherish the sovereignty of our minds, insist upon the relevance of reason and abhor attempts at systematic indoctrination of our minds."

From Remarks at Convocation of
Dr. C. E. Bishop, Chancellor
University of Maryland
College Park Campus
September 16, 1970

For more information, please write or phone—

THE SUMMER SCHOOL
201 Turner Laboratory
University of Maryland
College Park, Maryland 20742
(301) 454-3347/8